

## STIC Search Report Biotech-Chem Library

## STIC Database Tracking Number: 118984

TO: Sean McGarry

Location: REM-2D/19/2C18

Art Unit: 1635

Wednesday, April 07, 2004

Case Serial Number: 09/993731

From: Paul Schulwitz

**Location: Biotech-Chem Library** 

**REM-1A65** 

Phone: (571)272-2527

paul.schulwitz@uspto.gov

## Search Notes

Examiner McGarry,

See attached results.

If you have any questions about this search feel free to contact me at any time.

Thank you for using STIC search services!

Paul Schulwitz Technical Information Specialist STIC Biotech/Chem Library (571)272-2527



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SOURCE Homo sapi	AXI54058 AXI54058 LOCUS AXI54058 AX154058 ACCESSION AXI54058 VERSION AXI54058 KEYWORDS	Db 1 ĠĠĊĊĠĠĊ	Qy 1823 GGCCGGC	Matches 20; Cons		FEATURES source	TITLE Human sin: JOURNAL Patent: W WHITEHEAD			VERSION AX154057. KEYWORDS . SOURCE Homo sapi		<b>2 Y</b> 1 <b>R</b> 4 0 R		Qy 1624 TCAGCTG	Matches 20	Query Match Rest Local Similari		source		AUTHORS Cargill, M. TITLE Human sing JOURNAL Patent: WO		M Homo Eukar		DEFINITION Sequence : ACCESSION AX154056	

ALIGNMENTS

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AX154058 Sequence 156 from Patent WOOl38576. AX154058 AX154058.1 GI:14535672 Homo sapiens (human) Homo sapiens Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Eutel	h 0.8%; Score 20.6; DB 1; Length 21; Similarity 95.2%; Pred. No. 6.3; 20; Conservative 1; Mismatches 0; Indels 0; 3 GECCGGCGAGGTGGAGCTCTC 1843	Homo sapiens Eukaryota, Metazoa; Chordata; Craniata; Vertebrata; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Cargill,M., Ireland,J.S. and Lander,E.S. Human single nucleotide polymorphisms Patent: WO 0138576-A 155 31-MAY 2001; WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH (US) Location/Qualifiers 1. 21 //organism="Homo sapiens" //mol_type="unassigned DNA" //db_xref="taxon:9606"	21 bp DNA linear PAT 2 from Patent WOO138576. 91:14535671 (human)	h 0.8%; Score 20.6; DB 1; Length 21; Similarity 95.2%; Pred. No. 6.3; 20; Conservative 1; Mismatches 0; Indels 0; 4 TCAGCTGTGCTCAGCAGGCCC 1644 1	Cargill, M., Ireland, J.S. and Lander, E.S. Human single nucleotide polymorphisms Patent: WO 0138576-A 154 31-MAY-2001; WHITEHAD INSTITUTE FOR BIOMEDICAL RESEARCH (US) Location/Qualifiers 121 /organism="Homo sapiens" /mol type="unassigned DNA" /db_xref="taxon:9606"	AX154056 21 bp DNA linear PAT 2: Sequence 154 from Patent WO0138576. AX154056 AX154056 1 GI:14535670  Homo sapiens (human) Homo sapiens Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Eutel Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo
2-JUN-2001	Gaps 0;	Euteleostomi; Homo.	2-JUN-2001	Gaṃs 0;		PAT 22-JUN-2001 Euteleostomi; Homo.

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Sequence 18 from Patent W09618744.
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Human single nucleotide polymorphisms
Patent: WO 0138576-A 156 31-MAY-2001;
WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH
Location/Qualifiers
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Crouzet,J., Scherman,D. and Wils,P.
PURIFICATION OF A TRIPLE HELIX FORMATION WITH AN IMMOBILIZED OLIGONUCLECTIOE
                                                                                                                                                                    Sequence 18 from
AR167591
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Other publication AU 4178996 960703
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Crouzet, J., Scherman, D. and Wils, P.
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                                       US 6287762-A 18 11-SEP-2001;
Location/Qualifiers
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/mol_type="unassigned DNA"
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/mol_type="unassigned DNA"
/db_xref="taxon:32644"
/organism="unknown"
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Location/Qualifiers
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Crouzet, J., Scherman, D., Wils, P., Blanche, F. and Cameron, B. Purification of a triple helix formation with an immobilize
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/mol_type="unassigned DNA"
                                                                                                /organism="synthetic construct"
/mol_type="unassigned DNA"
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                                                                                                                                              Location/Qualifiers
                                                                                       /note="synthetic oligonucleotide"
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RESULT 8 AX686853/c

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Sequence 18 from Patent EP1281774.
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Patent: EP 1281774-A 18 05-FEB-2003;
Aventis Pharma S.A. (FR)
                 1 (bases 1 to 21)
Matson,R.S., Coassin,P.J., Rampal,J.B.
Oligonucleotide repeat arrays
Patent: US 5981185-A 53 09-NOV-1999;
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/mol_type="unassigned DNA"
/db_xref="taxon:32644"
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Matches 20; Conservative
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Sequence 59
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Sequence
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Matson,R.S., Coassin,P.J., Rampal,J.B. and
Oligonucleotide repeat arrays
Patent: US 5981185-A 59 09-NOV-1999;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Unknown
                                                                        1 GAGGAGGAGGAGGAGGAG
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/mol_type="unassigned
                                                                                                                                                      /organism="unknown"
/mol_type="unassigned DNA"
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      24 bp
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AR034773
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1 (bases 1 to 24)
Johnson, E.M. and Bergemann, A.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                    Johnson, E.M. and Bergemann, A.D. Monoclonal antibodies to the pur protein Patent: US 5869622-A 51,09-FEB-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Cloning and expression of PUR protein Patent: US 5756684-A 51 26-MAY-1998;
Location/Qualifiers
                                                                    Lipford, G.B., Heeg, K. and Wagner, H. G-motlif oligomuclectides and uses thereof Patent: WO 0014217-A 39 16-MAR-2000; LIPFORD GRAYSON B (DE) ; HEEG KLAUS (DE) CPG IMMUNOPHARMACEUTICALS GMBH (DE)
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AX023424
AX023424.1 GI:10183824
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/organism="synthetic construct"
/mol_type="unassigned DNA"
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/noTe="synthetic, no natural or
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19; Conser
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Matson,R.S., Coassin,P.J., Rampal,J.B.
Oligonucleotide repeat arrays
Patent: US 5981185-A 83 09-NOV-1999;
Location/Qualifiers
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Unclassified.
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Matson,R.S., Coassin,P.J., Rampal,J.B.
Oligonucleotide repeat arrays
Patent: US 5981185-A 70 09-NOV-1999;
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Similarity 95.0%;
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/mol_type="unassigned DNA"
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/mol_type="unassigned
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Unclassified.
1 (bases 1 to 21)
1 (bases 1 to 21)
3 Ozkaynak,E. and Oppermann,H.
Methods and products for identification of protein-1 gene expression
patent: US 6071695-A 5 06-JUN-2000;
Location/Qualifiers
21
"""known" a nNA"
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Unknown.
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                                                                            Roemer,T., Jiang,B., Boone,C. and Bussey,H. Gene disruption methodologies for drug target Patent: WO 0160975-A 397 23-AUG-2001; Elitra Pharmaceuticals, Inc. (US)
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Dean,N. and Cowsert,L.M.
Antisense modulation of daxx expression
Patent: US 6180353-A 153 30-JAN-2001;
Location/Qualifiers
                                                                                                                                                                                                           Sequence 397 from Patent AX241159
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Sequence 153 from
AR126724
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/mol_type="unassigned DNA"
                                 organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
                       'note="DNA primer"
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Candida albicans
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AX154328
AX154328.1 GI:14535942
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Patent: WO 0138576-A 426 31-MAY 2001;
WHITEHEAD INSTITUTE FOR BIOMEDICAL RE
                                                                                                                                                                                                                                                                                                                         Homo sapiens (human)
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Mammalia; Eutheria; Primates;
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18; Conservative
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/mol_type="unassigned DNA"
/db_xref="taxon:5476"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Location/Qualifiers
                                                                                                                                                            /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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FEATURES
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AUTHORS
TITLE
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SOURCE
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AUTHORS
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ACCESSION
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AR121232/c
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ACCESSION
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SOURCE
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ACCESSION
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AR342472/c
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                                                  TITLE
JOURNAL
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Best Local Similarity
Matches 18; Conserv
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Best Local &
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                                                                                                                                                                           AR342472
Sequence 22
AR342472
                                                                                                                                                                                                                                                                                                                                                                                   Unclassified.

1 (bases 1 to 21)

1 (bases 1 to 21)

Fraser, N.W., Zabolotny, J.M. and Krummenacher, C.F.

Fraser, N.W. abolotns for stabilizing unstable gene transcripts

Method and compositions for stabilizing unstable gene transcripts

Method and compositions for stabilizing unstable gene transcripts

Method and compositions for stabilizing unstable gene transcripts

Patent: US 6159710-A 12 12-DEC-2000;

Patent: US 6159710-A 12 12-DEC-2000;
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Sequence
AR121232
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AR122500
                                                                                                                                                                                                                                                                                                                       18;
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Ward, D. and Cowsert, L.M.
Antisense modulation of NCK-2 expres
Patent: US 6165728-A 54 26-DEC-2000;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Unknown
                                               1 (bases 1 to 18)
Batra,S.K., Brand,R.E., Ringel,J., Faulmann,G.,
Varshney,G.C.
Specific mucin expression as a marker for pancro
Patent: US 6576423 A 22 10-JUN-2003;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AR122500.1
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12 from patent US 6159710
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/mol_type="unassigned
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/mol_type="unassigned DNA"
                                   Location/Qualifiers
/organism="unknown"
/mol_type="genomic
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90.0%;
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Pred. No. 33;
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AR232303
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AR307962
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al Similarity 94.4%;
17; Conservative
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Sequence 173
AR307962
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AR126726
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1 (bases 1 to 20)

MCKay,R., Freier,S.M. and Wyatt,J.

MCKay,R., erdier,S.M. and Wyatt,J.

MCKay,R., erdier,S.M. and Wyatt,J.

MCKay,R., erdier,S.M. and Wyatt,J.

MCKay,R., erdier,S.M. and Wyatt,J.

MCKay,R., erdier,J.

MCKay,R., erdier,S.M. and Wyatt,J.

MCKay,R., erdier,S.M. 
                                                                                                                                                                                                                                                                                                                                                                                                                     Unclassified.

1 (bases 1 to 20)

Dean,N.M. and Cowsert,L.M.

Antisense modulation of daxx expression

Patent: US 6180353-A 155 30-JAN-2001;

Location/Qualifiers
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AR232303
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/mol_type="genomic DNA"
                                                                                                                                                                                                                                                                                                                                                              /mol_type="unassigned DNA"
                                                                                                                                                                                                                                                                                                                                                                                     organism="unknown"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GI:14113319
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Pred. No. 3
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Pred. No. 25;
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                                   CE 1 (bases 1 to 17)

RS Blatt, L. Zwick, M., Pavco, P. and Mcswiggen, J.

Regulation of repressor genes using nucleic acid molecules Patent: JP 2002541795-A 2806 10-DEC-2002;

AL Patent: JP 2002541795-A/2806

OS Eukaryote PHARMACEUTICALS INC

OS Eukaryote PHARMACEUTICALS INC

PN JP 2002541795-A/2806

PD 10-DEC-2002

PF 11-APR-2000 JP 2000611654

PF 11-APR-2000 JP 2000611654

PF 11-APR-1999 US 60/129390

PI LAWRENCE BLATT, MICHAEL ZWICK, PAMELA PAVCO, JAMES MCSWIGGEN PC C12N15/09, A61K38/00, A61K48/00, A61P43/00, A61P43/00, C12N5/10, PC C12P21/02,
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Regulation of repressor genes
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BD255013.1 GI:33064783
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AR307963
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/mol_type="genomic :
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191631
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Sidransky, D.
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                                                     Analysis of sputum by amplification an acid sequences
Patent: US 5726019-A 113 10-MAR-1998;
Location/Qualifiers
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Sidransky, D.
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/mol_type="genomic DNA"
/db_xref="taxon:32644"
                             /organism="unknown"
/mol_type="unassigned DNA"
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Patent: WO 0159103-A 2359 16-AUG-2001;
RIBOZYME PHARWACEUTICALS, INC. (US); Blatt,
McSwiggen, James (US); Chowrira, Bharat M.
Location/Qualifiers
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Sequence 567 from Patent WO0188124.
AX422231
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                                                                                                                                                                   Method and reagent for the inhibition of erg
Patent: WO 0188124-A 567 22-NOV-2001;
RIBOZYME PHARMACEUTICALS, INC. (US) ; GLAXO GROUP LIMITED (GB)
                                                                                                                                                                                                        Jarvis,T., von Carlowitz,I., Mcswiggen,J.A., Mclaughlin,F.G. Randi,A.M.
                                                                                                                                                                                                                                            Bukaryota; Metazoa; Chórdata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                                                  /organism="Homo sapiens"
/mol_type="unassigned RNA"
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/db_xref="taxon:32630"
                                                                                                                                                       Location/Qualifiers
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                                                                                                                                                                                        PI MARGA
C12N15/09,
A61P25/16,
PC A61P2
PC C07K1
PC C07K1
PC 02,C1
PC G01N3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 171 from Patent EP1229046.
AX498864
AX498864.1 GI:23381157
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             l Similarity
16; Conserv
 l Similarity
                                                                                                                                                                                                                                                                          OS Homo sapiens (human)

PN 1702526100-A/20

PN 2002526100-A/20

PD 20-AUG-2002

FR 07-CCT-1999 JP 2000574561

FR 07-CCT-1999 US 60/103322,30-CCT-1998 US 60/106473 |

PR 07-CCT-1998 US 66/114088

29-DEC-1998 US 66/114088

PI MARGARET ANN JCHNS, BRIAN MOLDOVER, JAMES DAVID OFFORD PC C12N15/09, A61K31/711, A61K38/00, A61K48/00, A61F25/06, A61F25/08,
                                                                                                                                                                                                                                                                                                                                                                                                                                         Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 19)
Johns, M.A., Moldover, B. and Offord, J.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Homo sapiens (human)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Eukaryola; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                                                                                                                                                                                                                                                                                                                                                   WARNER LAMBERT CO
                                                                                                                                                                                                                                                                                                                                                                                                           Alpha-2/delta gene
patent: JP 2002526100-A 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   BD248462.1 GI:33058232
JP 2002526100-A/20.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 BD248462
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Alpha-2/delta gene.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             BD248462
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human testis expressed patched like protein Patent: EP 1229046-A 171 07-AUG-2002;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Zhan, J
                                                                                                                                                                          Alpha-2/delta gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CCACGGGGCCGCAGTGG
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larity 94.1%; Pred. No. 32;
Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     sapiens
                                                                                                                                                                                         G01N33/15, G01N33/50, C12N15/00, C12N5/00, A61K37/02
                                                                                                                                                                                                     C07K16/18,C12N1/15,C12N1/19,C12N1/21,C12N5/10,C12P21/02,C12Q1/02,C12Q1/68,
                                                                                                                                                                                                                                    A61P25/20,A61P25/22,A61P25/28,A61P25/30,A61P29/00,A61P35/00,
C07K14/47,
   Conservative
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                                                                                                               /organism='Homo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /organism="Homo sapiens"
/mol_type="unassigned DN
/db_xref="taxon:9606"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Location/Qualifiers
                                                     /organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
              0.6%;
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 Score 15.4; D
Pred. No. 44;
O; Mismatches
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                               Ba
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                                                                                                                                 sapiens (human)'.
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                            Length 19;
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   Indels
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      Gaps
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REFERENCE
AUTHORS
TITLE
JOURNAL
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BD255012/c
LOCUS
DEFINITION
                                      REFERENCE
AUTHORS
TITLE
JOURNAL
FEATURES
                                                                                                                             SOURCE
ORGANISM
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AR078620/c
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KEYWORDS
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                                                                                                                                                                                                      DEFINITION
                                                                                                                                                           EYWORDS
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Best Local Similarity
Matches 15; Conserv
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                                                                                                                                                                         Sequence 46
AR078620
AR078620.1
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PC (C12N5/00,C12R1:91)

PC (C12N5/00,C12R1:91)

CC Regulation of repressor genes using nucleic acid molecules Key Source Location/Qualifiers
FT source 1,17

(organism='Eukaryote'.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 (bases 1 to 17)
Blatt, L., Zwick, M., Pavco, P. and Mcswiggen, J.
Regulation of repressor genes using nucleic ac
Patent: JP 2002541195-A 2805 10-DEC-2002;
RIBOZYME PHARMACEUTICALS INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      unidentified
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                                                                                                                               Unknown
                                                                                                                                                                                                                  AR078620
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    unidentified
                             Antisense modulation of RhoB expression Patent: US 5962672-A 46 05-OCT-1999; Location/Qualifiers 1..18
                                                                                  1 (bases 1 to 18)
Coswert, L.M.
                                                                                                                                             Unknown.
                                                                                                                 Unclassified.
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                                                                                                                                                                                                                                                                                                            GGAGGAGGACGAGGA 1897
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12-APR-1999 US 60/129390
LAWRENCE BLATT,MCHABL ZWICK,PAMELA PAVCO,JAMES MCSWIGGEN
5/09,A61K38/00,A61K48/00,A61P43/00,A61P43/00,C12N5/10, PC
                                                                                                                                                                                                                                                                                                                                                Conservative 0;
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JP 2002541795-A/2805
10-DEC-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (C12P21/02, C12R1:91), (C12P21/02, C12R1:91), C12N15/00, C12N5/00
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                                                                                                                                                                                                      46
                                                                                                                                                                                                                                                                                                                                                                                                      /organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                /organism='Eukaryote'.
Location/Qualifiers
/organism="unknown"
/mol_type="unassigned DNA"
                                                                                                                                                                          GI:10005366
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100.0%; Pred. No.
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RESULT 40 AR215559/c

DEFINITION

AR215559 Sequence AR215559

107

18 bp I from patent US 6410323.

PAT

25-SEP-2002

ACCESSION

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VERSION
KEYWORDS
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BD267702
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DEFINITION
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                                                                                                   Query Match
Best Local S
Matches 16
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Best Local Similarity
Matches 16; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 JOURNAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AUTHORS
                                                                                                                                                                                                                                                                                            source
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                                                1821 GAGGCCGGCGAGGTGGAG 1838
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Extracellular protease of A acetylhydrolase activity, as synthesizing deacetylated c cepharosporin yield.

BD267702
                                                                                                                                                                                                                                                                                                                                            Patent: JP 200254;
ANTIBIOTICOS SAU
OS Tritirachium
PN JP 200254181:
PD 10-DEC-2002
PP 07-APR-2000
PR 09-APR-1999
PI JAVIER VELASO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         18
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1 (Page 1 to 18)
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6 (
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PR 09-APR-1999 ES P 9900711
PI JAVIER VELASCO ALVAREZ, SANTIAGO GUTIERREZ MARTIN, FRANCISCO JAVIER CASQUEIRO BLANCO, SONIA CAMPOY GARCIA, FRANCISCO FIERRO FIERRO, JOSE LUIS BARREDO FUENTE, BRUNO FRANCISCO FIERRO FIERRO, JOSE LUIS BARREDO FUENTE, BRUNO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Tritirachium album
Tritirachium album
Eukaryota, Fungi, Ascomycota, mitosporic Ascomycota, Tritirachium.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             BD267702.1 GI:33077470 JP 2002541812-A/2.
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                                                                                                                               Similarity
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GAGGCCGGCGACGTGGGG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        JÜAN ERANCISCO MARTIN MARTIN
C12N15/09,C12N1/15,C12N1/19,C12N1/21,C12P35/06//(C12P35/06,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
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                                                                                                         Conservative
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JP 2002541812-A/2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            sequence
(Pro-His-Val-Ala-Gly-Leu)
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                                                                                                                                                                                                      /organism="Tritirachium
/mol_type="genomic DNA"
/db_xref="taxon:5558"
                                                                                                                                                                                                                                                                                                             /organism='Tritirachium
Location/Qualifiers
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Pred. No. 49;
O; Mismatches
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                                                                                                                               Score 14.8;
Pred. No. 49;
                                                                                                                                                                                                                                                                                                                                                                                                     Location/Qualifiers
                                                                                                           Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  of the
                                                                                                                                                                                                                                                                  album"
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1363 CTGAGGCTTACCAGAAGC 1380
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1 (bases 1 to 18)

1 (bases 1 to 18)

Roberts M.L. and Cowsert, L.M.

Antisense modulation of human Rho family gene expression

Patent: US 6410323-A 107 25-JUN-2002;
                                           16;
                                                                                                                                                                                                                                                                                    Submitted (28-APR-1995) Yoshiyuki Sakaki, Institute of Medical Science, University of Tokyo, Human Genome Center; 4-6-1 Shirokanedai Minato-ku, Tokyo 108, Japan (E-mail:sakaki@hgc.ims.u-tokyo.ac.jp, Tel:03-5449-5362, Fax:03-5449-5445) Submitted (28-Apr-1995) to DDBJ by: Yoshiyuki Sakaki
                                                                                                                                                                                                                                                                                                                                                                                                                                    Sixty new STSs (sequence-tagged sites) of human chromosome DNA Res. 1 (2), 85-89 (1994) 96051984
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STS.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 18)

Tanahashi, H., Ito, T., Hattori, M., Ohira, M., Ohki, M., Tashiro, K. as
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Homo sapiens
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Institute of Medical Science
University of Tokyo
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                                                                                                                                                                              Phone: 03-5449-5362
Fax : 03-5449-5445
                                                                                                                                                                                                       Japan
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                                                                                                          /organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
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/mol_type="genomic DNA"
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15; Conserv
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PR 27-SEP-2000 JP 00P 293692,06-FEB-2001 JP 01P
TORU TSUJI,HIROSHI YANAGAWA
PC C12N15/09,C12P21/02
CC Description of Artificial Sequence:Synthesized
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Method of constructing mutation DNA library and util:
patent: WO 0226964-A 39 04-APR-2002;
MITSUBISHI CHEMICAL CORP.TORU TSUJI, HIROSHI YANAGAWA
OS Artificial Sequence
PN WO 0226964-A/39
PD 04-APR-2002
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synthetic construct
artificial sequences.
1 (bases 1 to 16)
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Odink, K.G., Tarcsay, L.,
Sorg, C., DeWolf-Peeters,
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                                                                                                                                                                     Novel cytokines
Patent: EP 0412050-A 11 06-FEB-1991;
CIBA-GEIGY AG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /organism='Artificial Location/Qualifiers
                                                                                             /organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
                                                                                                                                             Location/Qualifiers
1. .17
                                                       93.88;
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                                           <u>.</u>
                                                         Score 14.4;
Pred. No. 49;
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AR286297/c
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AR189954
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AR286297
AR286297.1 G
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Pavco, P., McSwiggen, J., Stinchcomb, D. and Escobedo, J.
Method and reagent for the treatment of diseases or conditions
related to levels of vascular endothelial growth factor receptor
patent: US 6346398-A 5442 12-FEB-2002;
Location/Qualifiers
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Ward,D.T. and Cowsert,L.M.
Antisense modulation of RIP2 expression
Patent: US 6426221-A 4 30-JUL-2002;
Location/Qualifiers
1 (bases 1 to 17)
Beigelman,L., Burgin,A., Beaudry,A., Karpeisky,A.,
Matulic-Adamic,J., Sweedler,D. and Zinnen,S.
                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 4 from patent US AR221454
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/mol_type="unassigned DNA"
                                                                                                                                                                                                                                                               /organism="unknown"
/mol_type="genomic
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Pred. No. 49;
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Pred. No. 49;
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 17
                                                                                                                               1 (bases 1 to 17)
Beigelman,L., Burgin,A.B., Beaudry,A., Karpeisky,A.,
Matulic-Adamic,J., Sweedler,D. and Zinnen,S.
Oligoribonucleotides with enzymatic activity
Patent: US 6617438-A 668 09-SEP-2003;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 (bases 1 to 17)
Pavco,P., McSwiggen,J.A., Stinchcomb,D.T. and Escobedo,J.
Method and reagent for the treatment of diseases or conditions
related to levels of vascular endothelial growth factor receptor
Patent: US 6566127-A 2336 20-MAY-2003;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AR324934
Sequence 2336 from patent
AR324934
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/mol_type="unassigned RNA"
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17 bp
Sequence 915 from Patent W00173002.
AX263524
AX263524.1 GI:16512323
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/db_xref="taxon:32630"
/note="Nucleic Acid"
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/mol_type="unassigned RNA"
/db_xref="taxon:32630"
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae
                                                                                                                              Sequence 923 from Patent
AX263532
AX263532.1 GI:16512331
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae;
Kmiec,E.B., Gamper,H.B. and Rice,M.C. Targeted chromosomal genomic alterations with modified single stranded oligonucleotides
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. "
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/mol_type="unassigned DNA"
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Best Local Similarity 93.8%;
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Sequence 43 from Patent W00188124.
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AX421707.1 GI:21525089
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                                                                                    Method and reagent for the inhibition of erg Patent: WO 0188124-A 43 22-NOV-2001; RIBOZYME PARRMACEUTICALS, INC. (US); GLAXO GROUP LIMITED Location/Qualifiers
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Location/Qualifiers
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Sequence 924 from Patent
AX263533
AX263533.1 GI:16512332
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                                                                                                                                            Jarvis, T., von Carlowitz, I., Mcswiggen, J.A., Mclaughlin, F.G. Randi, A.M.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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/mol_type="unassigned DNA"
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae;
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                                                                                            /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/mol_type="unassigned RNA"
/db_xref="taxon:9606"
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RESULT 58 AX498865

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AX735884
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Sequence 172
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Sequences involved in phenomena of tumour suppression, tum
reversion, apoptosis and/or virus resistance and their use
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Sequence 3466 from Patent
AX731832
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Mammalia; Eutheria; Primates;
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae
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Location/Qualifiers
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Catarrhini; Hominidae;
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  Euteleostomi;
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RESULT 62
BD254134/c
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Regulation of repressor 9
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BD254134.1 GI:33063904
JP 2002541795-A/1927.
unidentified
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Sequences involved in phenomena of tumour suppression,
reversion, apoptosis and/or resistance to viruses and
thereof as medicaments
patent: WO 03025177-A 1474 27-MAR-2003;
Molecular Engines Laboratories (FR)
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                         A method of arraying genome clone Patent: JP 2001321190-A 917 20-NOV-2001: THE INSTITUTE OF PHYSICAL AND CHEMICAL F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   synthetic construct
synthetic construct
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1 (bases 1 to 18)
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JP 2001321190-A/917
20-NOV-2001
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C12N15/09,C12N15/09,C12M1/00,C12Q1/68,G01N33/53,G01N33/566,
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                                                                                                                                                                                                                          /organism="synthetic co
/mol_type="genomic DNA"
/db_xref="taxon:32630"
                                                                                                                                                                                                                                                                           organism='Artificial () / Organism='Artificial
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/mol_type="unassigned DN:
/db_xref="taxon:9606"
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Pred. No. 57;
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C12P21/02,
PC
C12P21/02,C12P21/02/A61K31/711,(C12N5/10,C12R1:91),(C12P21/02,C12R1:91),
C12R1:91),
PC
C12R1:91),(C12P21/02,C12R1:91),(C12N15/02,C12R1:91),(C12N15/02,C12R1:91),(C12N15/02,C12R1:91),(C12N15/02,C12R1:91)
PC
C12N15/00,C12R1:91)
PC
CC
Regulation of repressor genes using nucleic acid molecules
Key
Source
1.17
FT
Source
/organism='Eukaryote'.
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C12P21/02,
C12P21/02,C12P21/02/A61K31/711,(C12N5/10,C12R1:91),(C12P21/02,C12R1:91),
CC (C12P21/02,C12R1:91),(C12P21/02,C12R1:91),C12N15/00,C12N5/CPC (C12P3/02,C12R1:91)
CC (C12P3/00,C12R1:91)
CC Regulation of repressor genes using nucleic acid molecules Key Source 1.7
C Regulation of continuous series of continuous co
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Blatt, L., Zwick, M., Pavco, P. and Mcswiggen, J.

Regulation of repressor genes using nucleic acid molecules Patent: JP 2002541795-A 1927 10-DEC-2002;

RIBOZYME PHARMACEUTICALS INC
                                                                                                                                                                                                                                                                                                                                                                                                     PF 11-APR-2000 JP 2000611654

PR 12-APR-1999 US 60/129390

PI LAWRENCE BLATT, MICHAEL ZWICK, PAMELA PAVCO, JAMES MCSWIGGEN

PI LAWRENCE BLATT, MICHAEL ZWICK, PAMELA PAVCO, JAMES MCSWIGGEN

C12N15/09, A61K38/00, A61K48/00, A61P43/00, A61P43/00, C12N5/10, PC
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Blatt.I., Zwick,M., Pavco,P. and Mcswiggen,J.

Regulation of repressor genes using nucleic ac

Patent: JP 2002541795-A 2202 10-DEC-2002;

RIBOZYME PHARMACEUTICALS INC
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PR 12-APR-1999 US 60/129390
PI LAWRENCE BLATT, MICHAEL ZWICK, PAMELA PAVCO, JAMES MCSWIGGEN
C12N15/09, A61K38/00, A61K48/00, A61P43/00, A61P43/00, C12N5/10, PC
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ilarity 100.0%;
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JP 2002541795-A/1927
10-DEC-2002
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Location/Qualifiers
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/mol_type="genomic DNA"
/db_xref="taxon:32644"
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TE Regulation of repressor genes using nucleic acid molecules NAL Patent: JP 2002541795-A 7194 10-DEC-2002;

RIBOZYME PHARMACEUTICALS INC
OS Eukaryote
PN JP 2002541795-A/7194
PD 10-DEC-2002
PF 11-X--
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                                                   Sequence 2096 from Patent
AX216654
AX216654.1 GI:15526715
synthetic construct synthetic construct artificial sequences
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12-APR-1999 US 60/129390
12-APR-1999 US 60/129390
LAWRENCE BLATT,MICHAEL ZWICK,PAMELA PAVCO,JAMES MCSWIGGEN PC
2N15/09,A61K38/00,A61K48/00,A61P43/00,A61P43/00,C12N5/10, PC
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(C12N5/00,C12R1:91)
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Location/Qualifiers
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/mol_type="genomic DNA"
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Method and reagent for the modulation and diagnosis
nogo gene expression
Patent: WO 0.159103-A 2096 16-AUG-2001;
RIBOZYME PHARMACCUTICALS, INC. (US); Blatt, Lawrenc
McSwiggen, James (US); Chowrira, Bharat M. (US)
Location/Qualifiers
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Blatt,L., Mcswiggen,J. and Chowrira,B.M. Method and reagent for the modulation and dia nogo gene expression Patent: WO 0159103-A 2369 16-AUG-2001; RIBOZYME PHARMACEUTICALS, INC. (US); Blatt, McSwiggen, James (US); Chowrira, Bharat M.
                                                                                                                                                                                                                                                                                                                                                                                                                                           Blatt,L., Mcswiggen,J. and Chowrira,B.M. Method and reagent for the modulation and dinnogo gene expression Patent: WO 0159103-A 2368 16-AUG-2001; RIBOZIME PHARMACEUTICALS, INC. (US); Blatt, McSwiggen, James (US); Chowrira, Bharat M. Location/Qualifiers
                                                                                                               synthetic construct
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                                                                                                                                                                                                                                                                                                                                                                                        /mol_type="unassigned RNA"
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Sequence 569 from Patent WO0188124.
AX422233
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Sequence 568 from Patent W00188124.
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                                                       Method and reagent for the inhibition of erg Patent: WO 0188124-A 569 22-NOV-2001; RIBOZYME PHARMACEUTICALS, INC. (US) ; GLAXO GROUP LIMITED LOCATION/Qualifiers
                                                                                                                                                       Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                      Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Method and reagent for the inhibition of erg Patent: WO 0188124-A 568 22-NOV-2001; RIBOZYME PHARMACEUTICALS, INC. (US); GLAXO
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                                                                                                                          Jarvis, T., von Carlowitz, I., Mcswiggen, J.A., Mclaughlin, F.G.
                                                                                                                                                                                                     Homo sapiens (human)
                                                                                                                                                                                                                                 AX422233.1 GI:21525615
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Conservative 0;
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/mol_type="unassigned i
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Query Match Best Local Similarity

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AX759707/c
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A56661
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Best Local Similarity 100.0%;
Matches 14; Conservative (
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                                                                                                                              Patent: EP 0739898-A 28 30-OCT-1996; HOECHST AG (DE)
Other publication CZ 9600743 961016
Other publication PL 313207 961916
Other publication PL 313207 961916
Other publication PD 312207 961916
Other publication NO 961006 960916
Other publication NO 961006 960916
Other publication AD 2171369 960919
Other publication DE 19508923 960919.
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                                                                                                                                                                                                                                                                                                                                         unidentified unidentified unclassified.
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Sequence 28 from Patent EP0739898.
A56661
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Sequences involved in tumoral suppression, tumoral reversion,
Sequences involved in tensistance phenomena and their use as
                                                                                                                                                                                                                                                                              Peyman,A.D., Uhlmann,B.D., Breipohl,G.D. and Wallmeier,H.D. phosphonomonoester nucleic acids, methods for their preparation their use
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Patent: WO 03040369-A 3028 15-MAY-2003;
Molecular Engines Laboratories (FR)
Location/Qualifiers
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
                                                         /organism="unidentified"
/mol_type="unassigned DNA"
/db_xref="taxon:32644"
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Sequence 178
AR045385
AR045385.1
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1 Similarity 88.2%;
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Sequence 28 from Patent EP0726274.
A80382
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Peyman, A.D. and Uhlmann, E.D.

G-CAP STABILIZED OLIGONUCLEOTIDES

Patent: EP 0726274-A 28 14-AUG-1996;

HOECHST AG (DE)
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Stinchcomb,D.T., Draper,K., McSwiggen,J. and Jarvis,T.
C-myb ribozymes having 2'.5'-linked adenylate residues
Patent: US 5817796 178 06-OCT-1998;
Location/Qualifiers
1. .17
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                   AR045387 17 bp D
Sequence 180 from patent US 5817796.
AR045387
AR045387.1 GI:5966852
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178 from patent US 5
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/mol_type="unassigned_DNA"
/db_xref="taxon:32644"
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AR045391/c
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AR045389/c
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AR045389
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Unclassified.

(bases 1 to 17)

(bases 1 to 17)

Chinchcomb, D.T., Draper, K., McSwiggen, J. and Jarvis, T.

Stinchcomb, D.T., Draper, K., McSwiggen, J. and Jarvis, T.

Chinchcomb, D.T., Draper, K., McSwiggen, J. and Jarvis, T.

Chinchcomb, D.T., McSwiggen, J. and Jarvis, T.

Stinchcomb, Draper, K., McSwiggen, J. and Jarvis, T.

Chinchcomb, Draper, K., McSwiggen, J. and Jarvis, T.

Location/Qualifiers
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Stinchcomb,D.T., Draper,K., McSwiggen,J. and Jarvis,T.
Stinchcomb,D.T., Daving 2'-5'-linked adenylate residues
C-myb ribozymes having 2'-5'-linked adenylate residues
Patent: US 5817796-A 182 06-OCT-1998;
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                                                                                                                               1 (bases 1 to 17)
Stinchcomb,D.T., Draper,K., McSwiggen,J. and Jarvis,T.
C-myb ribozymes having 2'-5'-linked adenylate residues
Patent: US 5817796-A 184 06-OCT-1998;
Location/Qualifiers
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Sequence 184 from patent
AR045391
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larity 88.2%;
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/mol_type="unassigned DNA"
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Sequence 28
AR111785
AR111785.1
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Stinchcomb.D.T., Draper,K., McSwiggen,J.
C-myb targeted ribozymes
Patent: US 5646042-A 178 08-JUL-1997;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 (bases 1 to 17)
Peyman, A., Uhlmann, E., Breipohl, G. and
Phosphonomonoester nucleic acids proces
                                                                                                                                                                                                                                                                                                                                                                 Sequence 178
I52437
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Patent: US 6127346-A 28 03-OCT-2000;
Location/Qualifiers
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1 (bases 1 to 17)
Stinchcomb,D.T., Draper,K.,
C-myb targeted ribozymes
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                                                                               Sequence 180 from patent I52439
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                               Unclassified.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /mol_type="unassigned DNA"
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/mol_type="unassigned DNA"
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                                                                       GI:2473640
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from patent US 6127346.
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Pred. No; 62;
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           McSwiggen, J.
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              and Jarvis,
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RESULT 80
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152443/c
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152441
152441 GI:2473642
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Stinchcomb, D.T., Draper, K., McSwiggen
C-myb targeted ribozymes
Patent: US 5646042-A 182 08-JUL-1997;
Location/Qualifiers
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                                                                                                                                             1 (bases 1 to 17)
Stinchcomb, D.T., D
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C-myb targeted ribozymes
Patent: US 5646042-A 184 08-JUL-1997;
Location/Qualifiers
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llarity 88.2%;
Conservative
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Location/Qualifiers
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/mol_type="unassigned DNA"
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Pred. No. 62;
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RESULT 82 157029/c

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AR188352
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Sequence 54
AR189953
AR189953.1
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AR188352.1
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Ecker,J., Rothenberg,M., Lehman,A. and Roman,G.
Plant genes for sensitivity to ethylene and pathogens
Patent: US 565053-A 30 22-JUL-1997;
Location/Qualifiers
1. .17
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Sequence 30 from patent US
157029
157029.1 GI:2477442
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Pavco, P., McSwiggen, J., Stinchcomb, D. and Escobedo, J.
Method and reagent for the treatment of diseases or conditions
related to levels of vascular endothelial growth factor receptor
Patent: US 6346398-A 3840 12-FEB-2002;
Location/Qualifiers
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Sequence
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                                   Unknown.
Unclassified.
1 (bases 1 to 17)
1 (bases 1 to 17)
2 Ravco, P., McSwiggen, J., Stinchcomb, D. and Escobedo, J. Method and reagent for the treatment of diseases or correlated to levels of vascular endothelial growth facts patent: US 6346398-A 5441 12-FEB-2002;
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/mol_type="unassigned DNA"
             Location/Qualifiers
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RESULT 87
AR398286/c
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AR286296/c
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AR324205
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AR286296
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Beigelman, L., Burgin, A., Beaudry, A., Karpeisky, A.,

Matulic-Adamic, J., Sweedler, D. and Zinnen, S.

Synthetic ribonucleic acids with RNAse activity

Patent: US 6528640-A 668 04-MAR-2003;
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Pavco,P., McSwiggen,J.A., Stinchcomb,D.T. and Escobedo,J.
Method and reagent for the treatment of diseases or conditions
related to levels of vascular endothelial growth factor receptor
Patent: US 6566127-A 1607 20-MAY-2003;
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Sequence 1607 from patent
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/mol_type="unassigned RNA"
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/mol_type="unassigned RNA"
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17 bp RNA from patent US 6617438.
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Beigelman, L., Burgin, A.B., Beaudry, A., Karpeisky, A., Matulic-Adamic, J., Sweedler, D. and Zinnen, S. Oligoribonucleotides with enzymatic activity Patent: US 6617438-A 667 09-SEP-2003;
                                                                                                                                                                                                                                                                                                                                                                                                         Elatt,L., Mcswiggen,J. and Chowrira,B.M. Method and reagent for the modulation and dinogo gene expression
Patent: WO 0159103-A 899 16-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US); Blatt, McSwiggen, James (US); Chowrira, Bharat M.
                                                                                                                                                                                                                                                                            l Similarity
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AX215457
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Sequence 2358 from Patent
AX216916
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Blatt,L., Moswiggen,J. and Chowrira,B.M. Method and reagent for the modulation and nogo gene expression Patent: WO 0159103-A 2358 16-AUG-2001;
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/mol_type="unassigned RNA"
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/noTe="Nucleic Acid"
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McSwiggen, James (US); Chowrira, Bharat M. (US)
Location/Qualifiers
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Patent: WO 0159103-A 2361 16-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US); Blatt,
McSwlggen, James (US); Chowrira, Bharat M.
Location/Qualifiers
                                                  nogo gene expression
Patent: WO 0159103-A 2362 16-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US); Blatt,
MCSwiggen, James (US); Chowrira, Bharat M.
Location/Qualifiers
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Method and reagent for the modulation and diagnosis of cd20 and
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|mol_type="unassigned RNA"
|ype="unassigned RNA"
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|noTe="Nucleic Acid"
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  1759 AAGATGAAGATGAGGAG 1775
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Method and reagent for the modulation and nogo gene expression patent: WO 0159103-A 2363 16-AUG-2001; RIBOZYME PHARMACEUTICALS, INC. (US); Bla McSwiggen, James (US); Chowrira, Bharat Location/Qualifiers
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Patent: WO 0159103-A 2462 16-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US); Blatt,
McSwiggen, James (US); Chowrira, Bharat M.
Location/Qualifiers
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/db_xref="taxon:32630"
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|mol type="unassigned RNA"
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Location/Qualifiers
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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/db_xref="taxon:9606"
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Patent: WO 0188124-A 2037 22-NOV-2001;
RIBOZYME PHARMACEUTICALS, INC. (US); GLAXO
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Sequence 211 from Patent
AX474990
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
                                                    Homo sapiens (human)
Homo sapiens
Eukaryota; Metazoa;
Mammalia; Eutheria;
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Sequence 212 from Patent
AX474991
Zhang,J.

Zhang,J.

Human kidney tumor overexpressed membrane protein patent: WO 0224750-A 212 28-MAR-2002;
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/mol_type="unassigned RNA"
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/mol_type="unassigned DNA"
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Sequence 358 from Patent EP1229046.
AX499051
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AX475408
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Human kidney tumor overexpressed membrane protein 1
Patent: WO 0224750-A 629 28-MAR-2002;
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                   Human testis expressed patched like protein Patent: EP 1229046-A 358 07-AUG-2002; Aeomica, Inc. (US)
                                                                                                                                                                                    Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Similarity 88.2%;
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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                                                  /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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Matches 15; Conservative
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Similarity 88.2%;
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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AX674218
AX674218.1 GI:29332566
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Homo sapiens
Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Sequence 900 from Patent EP1281758.
AX688168
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Sequences involved in phenomena of tumour suppression, tumour reversion, apoptosis and/or resistance to viruses and their use as
                                                                                                                                                                                                                                      Shannon, M., Gu, Y. and Nguyen, C.T. Four human zinc-finger-containing proteins
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/mol_type="unassigned DNA"
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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RESULT 103 AX688169 LOCUS

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AX759206/c
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Sequence 605 from Patent WO03025175.
AX728971
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                      AX759206
Sequence 2527 from Patent
AX759206
AX759206.1 GI:32253822
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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/mol_type="unassigned DNA"
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/mol_type="unassigned DNA"
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                                                     Epplen, J.T.

Process for the detection of restriction polymorphisms in eukaryotic genomes patent: Ep 0266787-A 11 11-MAY-1988;

Max-Planck-Gesellschaft zur Foerderung de
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Oligonucleotide.
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Location/Qualifiers
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Sequences involved in tumoral suppression, tumoral reversion,
Sequences involved in tumoral suppression, tumoral reversion,
                                                                                                                         artificial sequences
1 (bases 1 to 15)
                                                                                                                                                        synthetic construct
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Location/Qualifiers
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
/organism="synthetic construct"
/mol_type="unassigned DNA"
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1 (bases 1 to 15)
Epplen,J.T.
Process for the detection of restriction fr
polymorphisms in eukaryotic genomes
polymorphisms in 2 11-MAY-1988;
Patent: EP 0266787-A 12 11-MAY-1988;
Max-Planck-desellschaft zur Foerderung der
Location/Qualifiers
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Harada, K., Martin, S.S. and Frankel, A.
In vivo selection of RNA-binding peptides
Patent: US 5834184-A 16 10-NOV-1998;
Location/Qualifiers
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A12052
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AR053182
AR053182.1 GI:5978044
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llarity 93.3%;
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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Pred. No. 52;
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            Unclassified.

1 (bases 1 to 15)

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Stinchcomb, D.T., Draper, K.G. and McSwiggen, J.

Rel a targeted ribozymes

Patent: US 5658780-A 33 19-AUG-1997;

Location/Qualifiers
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Watanabe, K.A., Ren, W.-Y. and Weil, R.
Complementary DNA and toxins
Patent: US 5652350-A 19 29-UUL-1997;
Location/Qualifiers
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Sequence 19 from patent US
158728
158728.1 GI:2477966
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Watanabe, K.A., Ren, W.-Y. and Weil, R.
Complementary DNA and toxins
Patent: US 5571937-A 19 05-NOV-1996;
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Similarity 93.3%;
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33 from patent US 5658780.
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/mol_type="unassigned DNA"
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/mol_type="unassigned DNA"
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                                                                                                                                                                                                                                                                                                   Protein encoded by polynucleic acid respiratory syndrome virus (PRRSV).
BD137831
                                                                                                                                     Paul, P.S. and Zhang, Y.

Protein encoded by polynucleic acid of porcine reproductive respiratory syndrome virus (PRRSV)

Patent: JP 2002504317-A 116 12-FEB-2002;

IOWA STATE UNIVERSITY RESEARCH FOUNDATION INC, AMERICAN CYANA OS Artificial Sequence

ON Artificial Sequence

PN JP 2002504317-A/116
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Stinchcomb, D.T., Dudycz, L.W., Chowrira, B., Grimm, S., Direnzo, A., Karpelsky, A., Draper, K.G., Kisich, K., Matulic-Adamic, J., Mcswiggen, J.A., Modak, A., Pavco, P., Beigelman, L., Sullivan, S.M., Sweedler, D., Thompson, J.D., Tracz, D., Usman, N., Wincott, F.E. and
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14; Conservative
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08-FEB-1999 UP 2000530103
06-FEB-1998 US 09/019793
PREM S PAUL, YANJIN ZHANG
C12N15,09,A61K39/12,A61P31/14,C07K14/08,C12Q1/68//C07K16/10,
                                     Description of Artificial Location/Qualifiers
/organism='Artificial Sequence'
Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /mol_type="unassigned RNA"
/db_xref="taxon:32644"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                  93.3%;
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1 mhof, B.A. and Lions, M.A.
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Imhof,B.A. and Lions,M.A.
Vascular adhesion molecule and control of its function
Patent: JP 2002537837-A 8 12-NOV-2002;
                                     synthetic construct
synthetic construct
artificial sequences.
1 (bases 1 to 16)
                                                                                      Vascular adhesion molecule and BD268813 BD268813.1 GI:33078581 JP 2002537837-A/8.
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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Sequence 6 from Patent WO0053749
AXO36054
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Imhof,B.A. and Aurrand-Lions,M.
Vascular adhesion molecules and modulation of their function Patent: WO 0053749-A 6 14-SEP-2000;
IMHOF BEAT ALBERT (CH) ; AURRAND LIONS MICHEL (CH) ; RMF DIC:
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synthetic construct
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Tessier-Lavigne,M., Serafini,T., Kennedy,T.,
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11-MAR-1999 EP 99200746.8

BEAT ALBEAT IMHOF MICHEL AURRAND LIONS

C12N15/09,A61K38/00,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/395,A61K39/
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/mol_type="unassigned DNA"
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/mol_type="genomic DNA"
/db_xref="taxon;32630"
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RESULT 120
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Query Match
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Human immunodeficiency virus
Viruses; Retroid viruses; Retroviridae;
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                                                                                              transcriptase gene
Patent: WO 02055741-A 406 18-JUL-2002;
INNOGENETICS N.V. (BE)
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Sequence 406 from Patent WO02055741.
AX572366
AX572386.1 GI:26004456
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Sequence 8 from Patent WO0053749.
AX036056
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                           /organism="Human immunodeficiency
/mol_type="unassigned DNA"
/db_xref="taxon:12721"
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/mol_type="unassigned DNA"
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/mal_type="unassigned DNA"
/mb xref="taxon:32630"
/note="primer"
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Pred. No. 62;
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Human immunodeficiency virus
Viruses; Retroid viruses; Retroviridae; Lentivirus;
lentivirus group.
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Sequence 407 from Patent WO02055741.
AX572367
                                                                                        Diagnosis of glaucoma
patent: JP 2002543802-A 3 24-DEC-2002;
INSTITUT NATIONAL DE LA SANTE ET DE LA
INSITE VISION INC
                                                                                                                                                                                                                                                                                                                                                               Diagnosis of glaucoma. BD274528
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Patent: WO 02055741-A 407 18-JUL-2002;
INNOGENETICS N.V. (BE)
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1 (bases 1 to 16)
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JP 2002543802-A/3
24-DEC-2002
04-MAY-2000 JP 2000616394
07-MAY-1999 US 60/133224
HENRI JEAN GARCHON
C12N15/09/C12Q1/68/C12N15/00
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                                                                                       misc_binding
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                    /organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon;32630"
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/mol_type="unassigned DNA"
/db_xref="taxon:12721"
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0.5%;
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RESULT 125
AX046979
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AR258892
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Sequence 3
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Sequence 11
AR258892
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AR234405
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Phillips,M.I. and Zhang,Y.
Antisense compositions targeted to .beta.1-adrenoceptor-specific mRNA and methods of use
Patent: US 6489307-A 110 03-DEC-2002;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 (bases 1 to 16)
Barber,J.R., Welch,P.J., Tritz,R., Y.
Heparitis C Virus ribozymes
Patent: US 6458567-A 59 01-OCT-2002;
                                                                                                                                                                                                                                                                                        Unknown.
Unclassified
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110 from patent US 6
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                                                                                                                                                                                        /organism="unknown"
/mol_type="genomic"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /mol_type="genomic DNA"
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AX255757/c
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Patent: WO 068429-A 3 16-NOY-2000;
INSTITUT MATIONAL DE LA SANTE ET DE LA
(FR); INSITE VISION INCORPORATED (US)
Location/Qualifiers
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Sequence 31 from Patent EP1076099.
AXI39183
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Mycobacterium tuberculosis
Bacteria, Actinobacteria; Actinomycetales;
Bacteria, Actinobacteria; Actinobacterium; Mycobacterium
Corynebacterineae; Mycobacteriaceae; Mycobacterium; Mycobacterium
tuberculosis complex.
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Beger, C., Barber, J. and Wong-Staal, F. Brca-1 regulators and methods 27-8EP-2001; Immusol Incorporated (US); Beger, Carmela
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/mol_type="unassigned DNA"
/mol type="unassigned DNA"
/db xref="taxon:32630"
/noTe="Oligonuclectide"
                                                                                                                                                                                                                                                                                                                                                       /organism="Mycobacterium tuberculosis"
|mol type="unassigned DNA"
|db xref="taxon:1773"
|noce="capture"
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AX259676/c
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Sequence 36 from Patent WO0173118.
AX259673
AX259673.1 GI:16508769
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Patent: WO 0173118-A 36 04-OCT-2001;
LGC (Teddington) Limited (GB)
Location/Qualifiers
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artificial sequences.
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Sequence 39 from Patent WO0173118
AX259676
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LGC (Teddington) Limited (GB)
Location/Qualifiers
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="Description of Combined
Molecule:PROBE~PROBE"
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/organism="synthetic construct"
/mol type="unassigned DNA"
/db_xref="taxon:32630"
/note="Description of Combined DNA/RNA
Molecule:PROBE-PROBE"
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RESULT 131
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AX382376
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Mycobacterium tuberculosis
[SM Mycobacterium tuberculosis
Bacteria; Actinobacteria; Actinobacteridae; Actinomycetales;
Bacteria; Actinobacteria; Actinobacteridae; Mycobacterium
Corynebacterineae; Mycobacteriaceae; Mycobacterium; Mycobacterium
tuberculosis complex.

I (bases 1 to 16)
RS Suzuki,S., Nishida,M. and Takenishi,S.
Diagnosis kit of tubercle bacillus
Patent: JP 2001103981-A 31 17-APR-2001;
NISSHINBO IND INC,SYSTEM RESEARCH CO LTD
OS Mycobacterium tuberculosis
PN JP 2001103981-A/31
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Antisense compositions targeted to _g(b)
mrna and methods of use
Patent: WO 0.704623-A 110 17-JAN-2002;
University of Florida (US)
Location/Qualifiers
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Sequence 110 from Patent
AX382376
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BD013467
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PF 26-JUL-2000 JP 2000225985
PF SADAHIKO SUZUKI, MICHIO NISHIDA, SOICHIRO TAKENISHI PC C12N15/09, C12N15/09, C12N1100, C12Q1/68/(C12Q1/68, C12R1:32), IC12Q1/68, C12R1:32), IC12Q1/68, C12R1:32), IC12Q1/68, C12R1:32), IC12Q1/68, C12R1:32), IC12Q1/68, C12R1:32)
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                                                                              source
                                             /organism='Mycobacterium tuberculosis'.
Location/Qualifiers
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/mb xref="taxon:32644"
/mbe="SYNTHETIC OLIGONUCLEOTIDE"
/organism="Mycobacterium tuberculosis"
/mol_type="genomic DNA"
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                                                                            Location/Qualifiers
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RESULT 134
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Sequence
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A88025
14 bp | 1
Sequence 1442 from Patent WO9833904.
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Brysch, W. and Schlingensiegen, K.

AN ANTISENSE OLIGONUCLEOTIDE PREPARATION METHOD

PALENT: WO 9833904-A 173 06-AUG-1998;

BIOGNOSTIK GES (DE); BRYSCH WOLFGANG (DE)

Location/Qualifiers
                                                                                                                                                                                                                                                                        unidentified
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llarity 87.5%;
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173 from patent US 6
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/mol_type="unassigned DNA"
/db_xref="taxon:32644"
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/mol_type="genomic DNA"
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Pred. No. 1.3e+02;
0; Mismatches 2;
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Pred. No. 64;
0; Mismatches
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Pred. No. 79;
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A89992/c
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Best Local Similarity 92.9%;
Matches 13; Conservative
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Brysch, W. and Schlingensiepen, K.
AN ANTISENSE OLIGONUCLEOTIDE PREPARATION METHOD
PATENT: WO 9833904-A 1442 06-AUG-1998;
BIOGNOSTIK GES (DE); BRYSCH WOLFGANG (DE)
Location/Qualifiers
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A89294.1
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Brysch, W. and Schlingensiepen, K.

ANTISENSE OLIGONUCLEOTIDE PREPARATION METHOD

Patent: WO 9833904-A 1614 06-AUG-1998;

BIOGNOSTIK GES (DE); BRYSCH WOLFGANG (DE)

Location/Qualifiers
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          1 (bases 1 to 14)
Brysch, W.D. and Schlingensiepen, K.D.
An antisense oligonucleotide preparation
Patent: EP 0856579-A 173 05-AUG-1998;
BIOGNOSTIK GES (DE)
                                                                                                                                        Sequence 173 from Patent A89992
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/mol_type="unassigned DNA"
/db_xref="taxon:32644"
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/mol_type="unassigned DNA"
/db_xref="taxon:32644"
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Pred. No. 64;
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AX239937
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DEFINITION
ACCESSION
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AX587251/c
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Sequence 27 from Patent WO0236761.
AX587251
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Modified Oligonucleotides for mismatch discrimination
Patent: WO 0164958-A 64 07-SEP-2001;
Epoch Biosciences, Inc. (US)
Location/Qualifiers
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synthetic construct
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                                                                                                                      Patent: WO 0236761-A 27 10-MAY-2002;
DANA FARBER CANCER INSTITUTE (US)
Location/Qualifiers
                                                                                                                                                                           D'Andrea,A.D., Taniguchi,T., Timmers,C. and Grompe,M. Methods and compositions for the diagnosis of cancer susceptibilities and defective dna repair mechanisms and
                                                                                                                                                                                                                                   Eukaryota; Metazoa;
Mammalia; Eutheria;
                                                                                                                                                                                                                                                              Homo sapiens
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/mol_type="unassigned DNJ
/db_xref="taxon:32644"
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
                                                         /mol_type="unassigned
/db_xref="taxon:9606"
1. 14
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                                       /note="Intron/Exon Junction of FANCD"
                                                                                            organism="Homo sapiens"
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Pred. No. 64;
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BD065538/c
LOCUS
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AUTHORS
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BD066807/c
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ACCESSION
VERSION
KEYWORDS
  AUTHORS
AUTHORS
AN antisense pen, K.H. and Brysch, W.
Fatent: JP 2001511000-A 1442 07-AUG-2001;
BIGGNOSTIK GEBELISCHAFT FUR BIOMOLEKULARE DIAGNOSTIK MBH
OS Unknown
PN JP 2001511000-A/1442
PD JP 2001511000-A/1442
PD JP 30-AUG-2001
PF 30-AUG-2001
PF 30-AUG-2001
PF 31-JAN-1997 EP 971015?
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BIOGNOSTIK GESELLSCHAFT FUR BICMOLEKULARE DIAGNOSTIK MBH OS Unknown JP 2001511000-A/173
PD 07-AUG-2001
PF 30-JAN-1998 JP 1998532533
PF 31-JAN-1997 EP 9710157
PC C12N15/11 -
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An antisense oligonucleotide
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An antisense oligonucleotide
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JP 2001511000-A/1442
07-AUG-2001
30-JAN-1998 JP 1998532533
31-JAN-1997 EP 97101531.8
KARL HERMANN SCHLINGENSTEPEN, WOLFGANG BRYSCH C12N15/1, C07H21/04, A61K31/70
An antisense oligonucleotide preparation method Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                                                                                                            /organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"
                                                                                                                                                                                                                                                                                                                                                                                                                                        /organism='Unknown'.
Location/Qualifiers
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Pred. No. 64;
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BD137809
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BD066979/c
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                                                                      SOURCE
ORGANISM
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AUTHORS
Schlingensiepen, K.H. and Brysch, W.
Fatent: JP 2001511000-A 1614 07-AUG-2001;
BIOGNOSTIK GESELLSCHAFT FUR BIOMOLEKULARE DIAGNOSTIK MBH
OS Unknown JP 2001511000-A/1614
PD 07-AUG-2001
PF 30-JAN-1998 JP 1998532533
PF 30-JAN-1998 JP 1998532533
PF 31-JAN-1997 EP 97101=^-
PC C12N15/1
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synthetic construct
synthetic construct
artificial sequences.

1 (bases 1 to 14)

1 (bases 1 to 14)

Paul. P.S. and Zhang, Y.
Protein encoded by polynucleic acid of porcine
respiratory syndrome virus (PRRSV)
Patent: JP 2002504317-A 94 12-FEB-2002;
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BD066979
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BD137809
BD137809.1 GI:23232754
JP 2002504317-A/94.
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Similarity 92.9%;
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                                                                                                                                                                                                                                                                                                                                                        /organism='Unknown'.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"
                                                                                                                                                                                                                                                                                                         /organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"
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92.9%;
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Pred. No. 64;
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Pred. No. 64;
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BD137813
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13; Conserv
                                                   l Similarity
13; Conserv
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Protein encoded by polymucleic a
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                                                                                                                                                                                                                                                                                                                                                                                       artificial sequences.
1 (bases 1 to 14)
Paul, P.S. and Zhang, Y.
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BD137813
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                      CCACCCCCTTAACC 2040
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Artificial Sequence
JP 2002504317-A/94
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0.5%; Score 12.4; larity 92.9%; Pred. No. 64; Conservative 0; Mismatches
                                                                                                                                                                                     source
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PREM S PAUL, YANJIN ZHANG
CIZNI5/09, A61K39/12, A61P31/14, C07K14/08, C12Q1/68//C07K16/10,
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08-FEB-1999 JP 2000530103
06-FEB-1998 US 09/0197
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06-FEB-1998 US 09/019793
PREM S PAUT, YANJIN ZHANG
C12N15/09,A61K39/12,A61F31/14,C07K14/08,C12Q1/68//C07K16/10,
                                                   Conservative
                                                                                                                                                                                                              Description of Artificial Sequence: Synthetic DNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /organism="synthetic construct"
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                                                                                                     /organism="synthetic construct"
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/db_xref="taxon:32630"
                                                               92.9%;
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                                                  Score 12.4; D
Pred. No. 64;
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acid of
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RESULT 144

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DEFINITION
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BD137828
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VERSION
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respiratory syndrome virus (PRRSV).
BD137826 GI:23232771
JP 2002504317-A/111.
synthetic constraints
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1 (bases 1 to 14)
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synthetic construct
artificial sequences.

1 (bases 1 to 14)
Paul, P.S. and Zhang, Y.
Protein encoded by polynucleic acid of porcine reproductive and respiratory syndrome virus (PRRSV)
Patent: JP 2002504317-A 111 12-FEB-2002;
IOWA STATE UNIVERSITY RESEARCH FOUNDATION INC, AMERICAN CYANAMID CO
                                                                                                                                                                                        Paul, P.S. and Zhang, Y.
Protein encoded by polynucleic acid of porcine respiratory syndrome virus (PRRSV)
Patent: JP 2002504317-A 113 12-FEB-2002;
IOWA STATE UNIVERSITY RESEARCH FOUNDATION INC, I
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JP 2002504317-A/113.
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BD137828
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llarity 92.9%;
Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              08-FEB-1999 JP 2000530103
06-FEB-1998 US 09/019793
PREM S PAUL, YANJIN ZHANG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Artificial Sequence
JP 2002504317-A/111
12-FEB-2002
                                                                                      08-FEB-1999 UF 2000530103
06-FEB-1998 US 09/019793
PREM S PAUL, YANJIN ZHANG
C12N15/09,A61K39/12,A61P31/14,C07K14/08,C12Q1/68//C07K16/10,
                                                                                                                                              Artificial Sequence
JP 2002504317-A/113
12-FEB-2002
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                                                            Description of Artificial
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/organism='Artificial
Location/Qualifiers
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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Pred. No. 64;
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                                                            Sequence:Synthetic
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BD137835
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Best Local Similarity 92.9%;
Matches 13; Conservative
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Best Local :
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mes 13; Conserv
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Protein encoded by polynucleic acid
respiratory syndrome virus (PRRSV).
BD137835
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                                                                                                               Method and reagent for t
molecule participating i
BD201812
BD201812.1 GI:33011582
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Protein encoded by polynucleic acid of porcine respiratory syndrome virus (PRRSV) Patent: JP 2002504317-A 120 12-FEB-2002; IOWA STATE UNIVERSITY RESEARCH FOUNDATION INC, FOR Artificial Sequence PN JP 2002504317-A/120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               artificial sequences.
1 (bases 1 to 14)
Paul, P.S. and Zhang, Y.
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 14)
PavCo,P.A., Roberts,E., Jarvis,T., Coeshott,C. and Mcswiggen,J.A. Method and reagent for treating diseases or conditions concerning
                                                                                  Homo sapiens (human)
                                                                                                                                                                        BD201812
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                                                                         Homo sapiens
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                                                                                                   2002509721-A/4838.
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08-FEB-1999 JP 2000530103
06-FEB-1998 US 09/019793
06-FEB-1998 US 09/019793
PREM S PAUL, YANJIN ZHANG
C12N15/09, A61K39/12, A61F31/14, C07K14/08, C12Q1/68//C07K16/10,
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                                                                                                                                                                                                                                                                                                                                                                                                                  /organism='Artificial
                                                                                                                                                                                                                                                                                                                                                            /organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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Pred. No. 64
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Pred. No. 6
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1 (bases 1 to 14)

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                                                                                                                                                                                                         PAVCO,
PC CC PC CA
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                                                                                                                                                                                                                                                                                                                                                                                   OS Hepatitis virus (hepatitis C virus)

PN 1702512791-A/3038

PD 08-WAY-2002

PF 26-APR-1999 UF 2000545991

PF 26-APR-1999 UF 20/083217,18-SEP-1998 US 60/100842 PR 27-APR-1998 US 60/083217,18-SEP-1998 US 60/100842 PR 25-FEB-1999 US 09/2574553 PI LAWRENCE BLATT, JAMES A MCSWIGGEN, ELISABETH ROBERTS, PAMELA A PI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Enzymatic nucleic acid treatment
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27-MAR-1998 US 60/079678
PAMELA A PAVCO,ELISABETH ROBERTS,THALE JARVIS,CLAIRE COESHOTT,
JAMES A MCSWIGGEN
                                                                                                                                         Enzymatic nucleic acid treatment related to hepatitis C virus infection
                                                                                                                                                                                                                                      C12N9/00,A61K31/7105,A61K38/21,A61K48/00,A61P31/12,C12N15/09,A61K37/66,
C12N15/00
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Location/Qualifiers
virus)'.
Location/Qualifiers
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/mol_type="genomic RNA"
/db_xref="taxon:9606"
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Pred. No. 64;
O; Mismatches
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                                                      organism='Hepatitis virus
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Matches 13
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Best Local Similarity
Matches 13; Conserv
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14
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1 (bases 1 to 15)

Brysch, W. and Schlingensiepen, K.

BRYSCH, W. and Schlingensiepen, K.

AN ANTISENSE OLIGONUCLEOTIDE PREPARATION METHOD

PATENT: WO 9833904-A 354 06-AUG-1998;

BICGNOSTIK GES (DE); BRYSCH WOLFGANG (DE)

Location/Qualifiers
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                                                                                                                                                                                                                                                            A90173
Sequence 354 from Patent EP0856579.
A90173
A90173.1 GI:6738687
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13; Conserv
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Sequence 354 from Patent WO9833904.
A88206
                                                                                                                                                          unclassified.

1 (bases 1 to 15)

Brysch, W.D. and Schlingensiepen, K.D.
An antisense oligonucleotide preparation method Patent: EP 0856579-A 354 05-AUG-1998;
                                                                                                                                                     BIOGNOSTIK GES (DE)
                                                                                                                                                                                                                           unidentified
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/mol_type="genomic RNA"
/db_xref="taxon:32644"
                                                                                      /organism="unidentified"
/mol_type="unassigned DNA"
/db_xref="taxon:32644"
                                                                                                                                                                                                                                                                                                                                                                                                                                                     /organism="unidentified"
/mol_type="unassigned DNA"
/db_xref="taxon:32644"
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AR113878/c
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AR056120/c
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Sequence 32
AR056120
AR056120.1
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Ribozyme treatment of diseases or conditions related to levels intercellular adhesion molecule-1 (ICAM-1)

Patent: US 6132967-A 324 17-OCT-2000;

Location/Qualifiers
                                                                                     15 bp I
Sequence 247 from patent US 5567809.
I28075
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Apple,R.J., Erlich,H.A.,
Methods and reagents for
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Patent: US 5837542-A 324 17-NOV-1998;
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Grimm, S., Stinchcomb, D.T., McSwiggen, J.,
Draper, K.G.
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Grimm, S., Stinchcomb, D.T., McSwiggen, J., Sullivan, S.
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llarity 92.9%;
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/mol_type="unassigned DNA"
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/mol_type="unassigned DNA"
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Pred. No. 78;
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 Griffith,R.L. and Scharf,S.J. HLA DRbeta DNA typing
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152067
152067.1
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Swiggen,J.A. and Mamone,J.Anthony.
Hammerhead ribozymes for preferred targets
Patent: US 5646020-A 9 08-JUL-1997;
Location/Qualifiers
                                                                                                                                                        1 (bases 1 to 15)
Stinchcomb,D.T., Draper,K.G. and McSwiggen,J.
Rel a targeted ribozymes
Patent: US 5658780-A 201 19-AUG-1997;
Location/Qualifiers
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/mol_type="unassign
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/mol_type="unassigned DNA"
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Vogelstein,B., Kinzler,K.W., Zhang,L.
Gene expression profiles in normal and
Patent: US 6333152-A 391 25-DEC-2001;
Location/Qualifiers
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Sequence 23 from Patent WO0114531.
AX088088
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VogeLstein,B., Kinzler,K.W., Zhang,L. and Zhou,W.
Gene expression profiles in normal and cancer cells
Patent: US 6333152-A 33 25-DEC-2001;
Location/Qualifiers
                                                                                                                          synthetic construct synthetic construct
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                                                  May,G.D., Kmiec,E.B. and Rice,M.C. Cell-free assay for plant gene targeting and conversion Patent: WO 0114531-A 23 01-MAR-2001;
The Samuel Roberts Noble Foundation, Inc. (US)
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organism="synthetic construct"/mol_type="unassigned DNA"
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/mol_type="unassigned DNA"
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/mol_type="unassigned
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from patent US 6333152.
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The Samuel Roberts Noble Foundation, Inc. Location/Qualifiers
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                                                                                                                                             May,G.D., Kmiec,E.B. and Rice,M.C. Cell-free assay for plant gene targeting a Patent: WO 0114531-A 25 01-MAR-2001; The Samuel Roberts Noble Foundation, Inc.
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                                                                                  /organism="Musa sp."
/mol_type="unassigned DNA"
/db_xref="taxon:46838"
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/note="Plasmid pTsm153
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/mol_type="unassigned DNA"
/db_xref="taxon:4577"
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Nicotiana tabacum
Nicotiana tabacum
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Trachec
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
asterids; lamiids; Solanales; Solanaceae; Nicotiana.
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Eukaryota; Viridiplantae; Streptophyta; Embryophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core ev
asterids; lamiids; Solanales; Solanaceae; Nicotiana.
AX164571
Sequence 401 from Patent
AX164571
AX164571.1 GI:14545505
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Sequence 27 from Patent W00114531.
AX088092
AX088092.1 GI:13397017
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unidentified unclassified.
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Eukaryota; M
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Stinchcomb, D.T., Dudycz, L.W., Chowrira, B., Grimm, S., Direnzo, A., Karpeisky, A., Draper, K.G., Kisich, K., Matulic-Adamic, J., Mcswiggen, J.A., Modak, A., Pavco, P., Beigelman, L., Sullivan, S.M., Sweedler, D., Thompson, J.D., Tracz, D., Usman, N., Wincott, F.E. and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 359 from Patent AX633220
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Loci for i
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Eukaryola; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                    AX636058
Sequence 3197 from Patent
AX636058
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             unidentified unidentified
                                          unidentified
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Similarity 92.9%;
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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                                                                                                                                                                                                                                                                                                                                      organism="unidentified"
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BD061455
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AX711168/c
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                                       synthetic construct
synthetic construct
artificial sequences.
1 (bases 1 to 15)
Ishibashi,K. and Tsuji,A.
Method for selectively separating living
                                                                                                                                                                                                                                                                                                                                                                        13;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Draper, K.G., Mcswiggen, J.A., Holecek, J.J., Dudycz, L.W., Macejak, D.G. and Mamone, J.A. Method and reagent for inhibiting HBV viral replication Patent: EP 1288296-A 468 05-MAR-2003; RIBOZYME PHARMACEUTICALS, INC. (US)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Stinchcomb, D.T., Dudycz, L.W., Chowrira, B., Grimm, S., Direnzo, A., Karpelsky, A., Draper, K.G., Kisich, K., Matullic-Adamic, J., Mcswiggen, J.A., Modak, A., Pavco, P., Beigelman, L., Sullivan, S.M., Sweedler, D., Thompson, J.D., Tracz, D., Usman, N., Wincott, F.E. and
                                                                                                                                                                                                     BD061455 IS bp DNA linear PAT Method for selectively separating living cell expressed
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Herpes simplex virus unknown type
Viruses; dsDNA viruses, no RNA stage; Herpesviridae;
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Sequence 468 from Patent EP1288296.
AX711168
AX711168.1 GI:29787549
            specific gene
Patent: JP 200
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                                                                                                                                                                             specific gene.
BD061455
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Patent: JF 2001286285-A 17 16-OCT-2001; LABORATORY OF MOLECULAR BIOPHOTONICS
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/mol_type="unassigned RNA"
/db_xref="taxon:32644"
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|mol_type="unassigned RNA"
|db_xref="taxon:126283"
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RESULT 169
BD104667
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An antisense oligonucleotide preparation method
Patent: JP 2001511000-A 354 07-AUG-2001;
BICGNOSTIK GESELLSCHAFT FUR BIOMOLEKULARE DIAGNOSTIK MBH
OS Unknown
PN JP 2001511000-A/354
PD 07-AUG-2001
PF 30-JAU-1998 JP 1998532533
PR 31-JAU-1998 JP 1998532533
PF 31-JAN-1997 EP 97101531.8
PI KARL HERMANN SCHLINGENSIEPEN, WOLFGANG BRYSCH
PC C12N15/11, C07H21/04, A6LK31/70
CC An antisense oligonucleotide preparation method FH KA
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BD065719.1 GI:22611322
JP 2001511000-A/354.
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PD 16-CCT-
PF 28-APR-
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G01N33/566,
PC G01N33/566,
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PC C12N5/
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BD104667 15 bg Kit and method for determining BD104667 BD104667.1 GI:22650241
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31-JAN-1997 EP 97101531.8
KARL HERMANN SCHLINGENSIEDPEN, WOLFGANG BRYSCH
C12N15/11,C07H21/04,A61K31/70
An antisense oligonuclectide preparation method
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KANAME ISHIBASHI,AKHHKO TSUJI
C12N15/09,C12N1/02,C12N5/10,C12Q1/68,G01N33/48,G01N33/53,
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JP 2001286285-A/17
16-OCT-2001
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Location/Qualifiers
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/mol_type="genomic DNA"
/db_xref="taxon:32644"
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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                               MATSUMURA,
PI SHOGO
PC C12Q1
CC Descr.
FH Key
FT source
                                                                                                                                         NISHIDA
OS Art
PN WO
PD 06-
PF 01-
PR 01-
PR 111
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PN WO 01
PN 06-DB
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PP 01-JU
PF 11D=TU
PR 11D=TU
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PI SHOGO
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CC C12Q1
CC C4EGY
FH Key
FT SOURC
                                                                                                                                                                                                                                              Nishida,M.

Kit and method for determining HLA type
Rit and method for determining HLA type
Patent: WO 0192572-A 889 06-DEC-2001;
PATENTIES INC, SYSTEM RESEARCH INC, HIDETOSHI
NISSHINBO INDUSTRIES INC, SYSTEM RESEARCH INC, HIDETOSHI
KAGIYA, TATSUO ICHIHARA, YOSHIYUKI MATSUMURA, SHOGO MORIY
                                                                                                                                                                                                                                                                                                                      synthetic construct
synthetic construct
artificial sequences.
1 (Dases 1 to 15)
1 (Dases 1 to 15)
Nightid, Kagiya, T., Ichihara, T., Matsumura, Y.,
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13; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Kit and method for determining HLA type
Patent: WO 0192572-A 771 06-DEC-2001;
NISSHINBO INDUSTRIES INC, SYSTEM RESEARCH INC, HIDETOSHI INOKO,
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synthetic construct
artificial sequences.
1 (Dases 1 to 15)
Inoko,H., Kagiya,T., Ichihara,T.,
Nishida,M.
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ilarity 92.9%;
Conservative
                                                      SHOGO MORIYA,MICHIO NISHIDA
C12Q1/68,C12M1/00,C12N15/09,G01N33/53
Description of Artificial Sequence:capture
Key
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w0 0192572-A/771
06-DEC-2001
01-JUN-2001 WO 2001JP004662
01-JUN-2000 JP 00P 164798
01-JUN-2000 JP 00P KAGIYA, TATSUO ICHIHARA, YOSHIYUKI
                                                                                                                                    Artificial Sequence
WO 0192572-A/889
WO-DEC-2001
01-JUN-2001 WO 2001JP004662
01-JUN-2000 JP 00P 164798
HIDETOSHI INOKO, TAEKO KAGIYA, TATSUO
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C12Q1/68, C12M1/00, C12N15/09, G01N33/53
Description of Artificial Sequence: capture
Location/Qualifiers
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Pred. No. 78;
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Method of conserveting mutation DNA library and utilization
Patent: WO 0226964-A 39 04-APR-2002;
PATEIGUBISHI CHEMICAL CORP, TORU TSUJI, HIROSHI YANAGAWA
OS Artificial Sequence
PN WO 0226964-A/39
PD 04-APR-2002
PP 04-APR-2002
PP 26-SEP-2001 WO 2001JP008387
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artificial sequences.
1 (bases 1 to 16)
                                                                                  1 (bases 1 to 20) Watt, A.T.
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Method of constructing mutation DNA library and utilization
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                                       Antisense modulation of raidd expression Patent: US 6551826-A 174 22-APR-2003; Location/Qualifiers
                                                                                                                          Unknown
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26-SEP-2001 WO 2001JD008387
27-SEP-2000 JP 00P 293692,06-FEB-2001 JP 01P
TSUJI,HIROSHI YANAGAWA
C12N15/09,C12P21/02
Description of Artificial Sequence:Synthesized
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larity 86.7%; Pred. No. 1.2e+02;
Conservative 0; Mismatches 2;
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AX023424/c
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AR034773/c
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AR010038/c
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Sequence 51
AR034773
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        AX023424 24 bp
Sequence 39 from Patent W00014217.
AX023424
AX023424.1 GI:10183824
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Johnson, E.M. and Bergemann, A.D.
Monoclonal antibodies to the pur protein
Patent: US 5869622-A 51 09-FEB-1999;
Location/Qualifiers
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AR010038
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Johnson, E.M. and Bergemann, A.D.
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Similarity 69.6%;
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US 5756684-A 51 26-MAY-1998;
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Pred. No. 2.1e+02;
0; Mismatches 7,
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Search completed: April 7, 2004, 16:08:50 Job time : 9 secs
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                                                                          859 GCCTCTATCTCAACCTGGGCCTC 881
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G-motlif oligonuclectides and uses thereof
Patent: WO 0014217-A 39 16-MAR-2000;
IIPFORD GRAYSON B (DE) ; HEEG KLAUS (DE) ; WAGNER HERMANN (DE) ;
CPG IMMUNOPHARMACEUTICALS GMBH (DE)
CPG IMMUNOPHARMACEUTICALS GMBH (DE)
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synthetic construct
artificial sequences.
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Page 42

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Minimum
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Listing
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RESULT 4
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AC AAT32789;
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KW Triple helix; triplex format;
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                                                                                                                                                                          Triple helix-forming oligonucleotide for purifying plasmid pXL2725
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 25
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                                                                                                                                                                                                                                                                                                                                                             AGGAGGAGGAGGCGAGGAGGC 1792
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                                                                                                                                                                                                                                                                                                                                                                                                                                                  BP; 2 A; 14 C; 1 G; 8 T; 0 U;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Scherman
                                                                                                                                                                                                                                                                                                                                                                                             Conservative
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                                                                                                                                 triplex formation; Hoogsteen base pairing; plasmid; double-stranded DNA; homopyrimidine; polypurine; pXL2725;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                94FR-00015162.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          95WO-FR001468
      95WO-FR001468.
                                                                                                                                                                                                                                                                                                                                                                                                      0.8%;
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Pred. No. 11;
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Matches 21
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 25 BP; 2 A; 14 C; 1 G; 8 T; 0 U;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    16-DEC-1994;
                                                                                                                                                                                                                                                                                                           Oligonucleotide sequence used to purify plasmid XL2725
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Purificn. of double stranded DNA by triple helix formation - comprises hybridising immobilised oligo-nucleotide to specific sequence in target
  Purifying double-stranded (ds) DNA from a solution containing dsDNA and
                        WPI; 2002-097772/13.
                                                                                       26-MAY-2000; 2000US-00580923
                                                                                                             25-MAY-2001; 2001WO-US017122
                                                                                                                                                                                                                                                                                    ss; DNA purification; triple helix; plasmid purification; XL2725
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        sequence into plasmid pBKS+)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Double-stranded (ds) DNA can be purified from complex mixtures of nucleic
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                                                                   (AVET ) AVENTIS PHARMA
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                                                                                                                                                                            note= "CCT repeat type"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ikappab r; antisense; immune response; inf tumour; prophylaxis; phosphorothicate; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human inhibitor-kappa B-R antisense oligonucleotide, ISIS #130469.
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   13-NOV-2001; 2001US-00993731
                                                                       05~NOV-2002; 2002WO-U8035597
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r; antisense; immune response; infection; inflammation; therapy;
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    the dsDNA.
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1. .20
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are 5-methylcytidines"
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/mod_base= OTHER
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                                                                                                                                                                                                                                                                                         (2'-MOE)
                                                                                                                                                                                                                                                                                                                                                                                                                                (2'-MOE)
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Matches 20
                                                                                                                                                                                                                                                                        Human; inhibitor-kappa B-R; I-kappaBR; IKBR; I-kappa-B-related; NFKBIL2; ikappab r; antisense; immune response; infection; inflammation; therapy, tumour; prophylaxis; phosphorothioate; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 20 BP; 2 A; 5 C; 9 G; 4 T; 0 U; 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          New antisense oligonucleotides targeted to nucleic acids encoding inhibitor-kappa B-R, useful for diagnosing or treating diseases associated with expression of inhibitor-kappa B-R, e.g., a heighte immune response or infection.
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                                                                                                                    modified_base
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                                                                                                                                                                                                                                  Synthetic
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                                                                modified_base
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are 5-methylcytidines"
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e= "2'-methoxyethyl
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                                                                                                                                                    backbone;
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XX Homo s
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                                                modified_base
                                                                                                                           modified_base
                                                                                                                                                                                            Homo sapiens.
                                                                                                                                                                                                                                         Human; inhibitor-kappa B-R; I-kappaBR; IKBR; I-kappa-B-related; NFKBIL2; ikappab r; antisense; immune response; infection; inflammation; therapy;
                                                                                                                                                                                                                                                                                         Human inhibitor-kappa B-R antisense oligonucleotide, ISIS #130503.
                                                                                                                                                                                                                                                                                                                         22-SEP-2003
                                                                                                                                                                                                                                                                                                                                                                                       AAL61578 standard; DNA; 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            New antisense oligonucleotides targeted to nucleic acids encoding inhibitor-kappa B-R, useful for diagnosing or treating diseases associated with expression of inhibitor-kappa B-R, e.g., a heightened immune response or infection.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1323 GGGGACCTCTTCTCCAAGGC 1342
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               3; Page 74; 108pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        20
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20; Conserv
                                                                                                                                                                                                                         prophylaxis; phosphorothicate;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GGGGACCICTICTCCAAGGC 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0.8%; Scilarity 100.0%; Pi
Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   BP; 4 A; 6 C; 7 G; 3 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                         (first entry)
                                                            /*tag= a
/mod_base= OTHER
/note= "Phosphorothioate backbone;
are 5-methylcytidines"
/*tag=
/mod_ba
/note=
                                                                                                                                              Location/Qualifiers
base= OTHER
== "2'-methoxyethyl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 20;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Mismatches
                                                                                                                                                                                                                             98.
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7.3;
   (2'-MOE) nucleotides'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 20;
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                                                                                  All
                                                                                cytidine
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ARESULT 9
AAL64/c
ID AAL615
XX AAL615
AC AAL615
XX 22-SEP
XX 22-SEP
XX Human
XX Human
XX Human
XX Humour
XX ikappa
KW ikappa
KW tumour
XX Homo s
OS Synthe
XX Synthe
XX Key
FH Key
FH Key
FH Key
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Best Local S
Matches 20
                                                                                                                                                                                           Human; inhibitor-kappa B-R; I-kappaBR; ikappab r; antisense; immune response; tumour; prophylaxis; phosphorothioate;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New antisense oligonucleotides targeted to nucleic acids encoding inhibitor kappa B-R, useful for diagnosing or treating diseases associated with expression of inhibitor-kappa B-R, e.g., a heightened immune response or infection.
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                                                                                                                        Homo sapiens
Synthetic.
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                                                                                                                                                                                                                                                                                                                                                                                           AAL61546
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                                                   modified_base
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            20
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20; Conservative (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CGCTCAGCTGTGCTCAGCAG 1
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                                                                                                                                                                                                                                                                                                                                          (first entry)
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/*tag= c
/mod_base= OTHER
/*tag= a
/mod_base= OTHER
                                                                          Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                         DNA;
                                                                                                                                                                                                                                                                                              B-R
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0.8%; Score 20; DB
100.0%; Pred. No. 7.
ive 0; Mismatches
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                                                                                                                                                                                                                                                                                              antisense oligonucleotide,
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                                                                                                                                                                                                                       IKBR; I-kappa-B-related; NFKBIL2;
infection; inflammation; therapy;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0
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RESULT 10
AAL61549/c
ID AAL615
XX AAL615
XC AAL615
XX 22-SEP
XX Human
XX Human;
KW Human;
KW ikappa
KW tumoux
XX
XX Homo &
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                                                                                                                                                                                                                                                                                                                                                                                            Matches
                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local
                             Human; inhibitor-kappa B-R; I-kappaBR; IKBR; I-kappa-B-related; NFKBIL2; ikappab r; antisense; immune response; infection; inflammation; therapy; tumour; prophylaxis; phosphorothicate; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                  The invention relates to antisense compounds targetted to a nucleic acid molecule encoding human inhibitor-kappa B-R (also known as I-kappaBR, IKBR, I-kappaBB-enclated, ikappab r, nuclear factor of kappa Bight polypeptides gene enhancer in B-cells inhibitor-like 2 and NFKBIL2) to inhibit its expression. Antisense compounds of the invention are useful for treating diseases or conditions associated with the expression of inhibitor-kappa B-R such as a heightened immune response involving increased cytokine expression, or a result of infection (e.g. bacterial, viral or parasitio). They are useful for diagnostics, therapeutics, prophylaxis e.g. to prevent or delay infection, inflammation or tumour formation, as research reagents and kits and in distinguishing between functions of various members of a biological pathway. They are also useful in antisense therapy. The present sequence is an oligonucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New antisense oligonucleotides targeted to nucleic acids encoding inhibitor-kappa B-R, useful for diagnosing or treating diseases associated with expression of inhibitor-kappa B-R, e.g., a heightened immune response or infection.
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                                                                                                                           22-SEP-2003
                                                                                                                                                         AAL61549;
                                                                                                                                                                                       AAL61549 standard; DNA;
                                                                                                                                                                                                                                                                                                                                                                                            Sequence 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 3; Page 74; 108pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Monia BP,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             13-NOV-2001; 2001US-00993731.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             05-NOV-2002; 2002WO-US035597
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                                                                                                                                                                                                                                                                                    1035 ATGCGCTGCTTGGAGGGTGC 1054
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                                                                                            inhibitor-kappa B-R antisense oligonucleotide,
                                                                                                                                                                                                                                                                   20
                                                                                                                                                                                                                                                                                                                                               Similarity
                                                                                                                                                                                                                                                                   ATGCGCTGCTTGGAGGGTGC 1
                                                                                                                                                                                                                                                                                                                                                                                                                      to human inhibitor-kappa B-R DNA
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                                                                                                                                                                                                                                                                                                                                                                                          BP; S A; 9 C; 4 G; 2 T; 0 U; 0
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                                                                                                                           (first
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/note= "2'-methoxyethyl
16. .20
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/mod_base= OTHER
/note= "2'-methoxyethyl
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                                                                                                                           entry)
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                                                                                                                                                                                                                                                                                                                                             Score 20;
Pred. No.
                                                                                                                                                                                                                                                                                                                               Mismatches
                                                                                                                                                                                                                                                                                                                                            7.3;
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                                                                                                                                                                                                                                                                                                                                                                                            Other;
                                                                                                                                                                                                                                                                                                                             0
                                                                                                                                                                                                                                                                                                                                                            Length 20;
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RESULT 11
AAL61554/c
ID AAL61554 s
XX
XX
AC AAL61554;
XX
DT 22-SEP-200
XX
DE Human inhi
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Matches
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                                                                                                                                                                                                                                                                                        The invention relates to antisense compounds targetted to a nucleic acid molecule encoding human inhibitor-kappa B-R (also known as I-kappaBR, IKBR, I-kappa-B-related, ikappab r, nuclear factor of kappa light polypeptides gene enhancer in B-cells inhibitor-like 2 and NFKBIL2) to inhibit its expression. Antisense compounds of the Provention are useful for treating diseases or conditions associated with the expression of increased cytokine expression, or a result of infection (e.g. bacterial, viral or parasitic). They are useful for diagnostics, therapeutics, prophylaxis e.g. to prevent or delay infection, inflammation or tumour formation, as research reagents and kits and in distinguishing between functions of various members of a biological pathway. They are also useful in antisense therapy. The present sequence is an oligonucleotide targetted to human inhibitor-kappa B-R DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New antisense oligonucleotides targeted to nucleic acids encoding inhibitor-kappa B-R, useful for diagnosing or treating diseases associated with expression of inhibitor-kappa B-R, e.g., a heightened immune response or infection.
                             22-SEP-2003
                                                                                                                                                                                                                                                                  Sequence 20 BP; 5 A; 8 C; 3 G; 4 T; 0 U; 0 Other;
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modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 3; Page 74; 108pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Monia BP,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      05-NOV-2002;
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20; Conserv
                                                                                  standard; DNA; 20
                                                                                                                                                                                 GTTCATGGAGAGCGAGTGCT 1104
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                                                                                                                                                                                                           0.8%; Score 20; DB llarity 100.0%; Pred. No. 7. Conservative 0; Mismatches
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                             (first entry)
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16. .20
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/mod_base=
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are 5-methylcytidines"
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'note= "2'-methoxyethyl
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= "2'-methoxyethyl (2'-MOE)
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                                                                                                                                                                                                            Gaps
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Human inhibitor-kappa B-R antisense oligonucleotide,

ISIS #130479

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                                                       Query Match
Best Local S
Matches 20
                                                                                                                                  The invention relates to antisense compounds targetted to a nucleic acid molecule encoding human inhibitor-kappa B-R (also known as I-kappaBR, IXBR, I-kappa-B-related, ikappab r, nuclear factor of kappa light polypeptides gene enhancer in B-cells inhibitor-like 2 and NFKBIL2) to inhibit its expression. Antisense compounds of the invention are useful for treating diseases or conditions associated with the expression of increased cytokine expression, or a result of infection (e.g. bacterial, viral or parasitic). They are useful for diagnostics, therapeutics, prophylaxis e.g. to prevent or delay infection, inflammation or tumour formation, as research reagents and kits and in distinguishing between functions of various members of a biological pathway. They are also useful in antisense therapy. The present sequence is an oligonucleotide targetted to human inhibitor-kappa B-R DNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human; inhibitor-kappa B-R; I-kappaBR;
ikappab r; antisense; immune response;
                                                                                                                                                                                                                                                                                                                                                                                  New antisense oligonucleotides targeted to nucleic acids encoding inhibitor-kappa B-R, useful for diagnosing or treating diseases associated with expression of inhibitor-kappa B-R, e.g., a heightened immune response or infection.
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                                                                                                                                                                                                                                                                                                                                                        Claim 3; Page 74; 108pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (ISIS-) ISIS PHARM INC
                           1213
                                                                                                                                                                                                                                                                                                                                                                                                                                                           2003-468635/44.
20
                                                                   Similarity
               CCATCTGTCAGAACCTCCAG 1232
                                                                                                              20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Watt AT;
                                                                                                           BP; 4
                                                       Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /*tag= b
/mod_base= OTHER
/note= "2'-methoxyethyl (2'-MOE) nucleotides"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /*tag= a
/mod base OTHER
/note= "Phosphorothioate backbone; All cytidine residues
are 5-methylcytidines"
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/mod_ba
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                                                                                                              P
                                                                   0.8%;
                                                                                                            3 C; 8 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           base= OTHER
                                                       0; Mismatches
                                                                   Score 20;
Pred. No.
                                                                   DB 1;
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infection; inflammation; therapy;
                                                       0
                                                                                 Length 20
                                                       Indels
                                                       0
                                                     Gaps
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RESULT 12 AAL61561/c ID AAL615

AAL61561 standard; DNA; 20

89

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                          Query Match
Best Local S
Matches 20
                                                                                                        The invention relates to antisense compounds targetted to a nucleic acid molecule encoding human inhibitor-kappa B-R (also known as I-kappaBR, IXBR, I-kappa-B-related, ikappab r, nuclear factor of kappa light polypeptides gene enhancer in B-cells inhibitor-like 2 and NFKBIL2) to inhibit its expression. Antisense compounds of the invention are useful for treating diseases or conditions associated with the expression of inhibitor-kappa B-R such as a heightened immune response involving increased cytokine expression, or a result of infection (e.g. bacterial, viral or parasitic). They are useful for diagnostics, therapeutics, prophylaxis e.g. to prevent or delay infection, inflammation or tumour formation, as research reagents and kits and in distinguishing between functions of various members of a biological pathway. They are also useful in antisense therapy. The present sequence is an oligonucleotide targetted to human inhibitor-kappa B-R DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human; inhibitor-kappa B-R; I-kappaBR; ikappab r; antisense; immune response; tumour; prophylaxis; phosphorothioate;
                                                                                                                                                                                                                                                                                                                                                         New antisense oligonucleotides targeted to nucleic acids encoding inhibitor-kappa B-R, useful for diagnosing or treating diseases associated with expression of inhibitor-kappa B-R, e.g., a heightened immune response or infection.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human inhibitor-kappa B-R antisense oligonucleotide,
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                                                                                                                                                                                                                                                                                                                                Claim 3; Page 74; 108pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2003-468635/44.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  05-NOV-2002; 2002WO-US035597
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1300 CCATGGTCATCTGTGAGCAG 1319
                           L Similarity
20; Conser
                                                                                   20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Watt AT;
                                                                                   BP; 5 A; 6 C; 5 G; 4 T; 0 U; 0 Other;
                           Conservative
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/mod_ba
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are 5-methylcytidines"
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                                         0.8%; Score 20;
00.0%; Pred. No.
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                             Mismatches
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infection; inflammation; therapy;
ss.
                                         DB 1;
7.3;
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                                                       Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  nucleotides'
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                             Indels
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20

CCATGGTCATCTGTGAGCAG

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RESULT 13
AAL6154/C
ID AAL615
XX AAL615
AX AAL615
XX Human
XX Human
XX Human
XX Homo s
OS Synthe
XX Synthe
YM Key
FM modifi
FM modifi
FM modifi
FM modifi
FM modifi
FM MOZO03
PN WOZO03
                                                  The invention relates to antisense compounds targetted to a nucleic acid molecule encoding human inhibitor-kappa B-R (also known as I-kappaBR, IKBR, I-kappa B-related, ikappab r, nuclear factor of kappa light polypeptides gene enhancer in B-cells inhibitor-like 2 and NFKBIL2) to inhibit its expression. Antisense compounds of the invention are useful for treating diseases or conditions associated with the expression of inhibitor-kappa B-R such as a heightened immune response involving increased cytokine expression, or a result of infection (e.g. bacterial, viral or parasitic). They are useful for diagnostics, therapeutics, prophylaxis e.g. to prevent or delay infection, inflammation or tumour formation, as research reagents and kits and in distinguishing between functions of various members of a biological pathway. They are also useful in antisense therapy. The present sequence is an oligonucleotide targetted to human inhibitor-kappa B-R DNA
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Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New antisense oligonucleotides targeted to nucleic acids encoding inhibitor-kappa B-R, useful for diagnosing or treating diseases associated with expression of inhibitor-kappa B-R, e.g., a heightened immune response or infection.
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b r; antisense; immune response; infection; inflammation;
; prophylaxis; phosphorothicate; ss.
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/mod_base= OTHER
/note= "2'-methoxyethyl (2'-MOE)
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/note= "Phosphorothioate
are 5-methylcytidines"
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/note= "2'-methoxyethyl
16. .20
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Sequence 20

BP; 4

A; 5 C;

7

G; 4 T; 0 U; 0 Other

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RESULT 14
AAL61540/c
ID
AAL61540;
XX
AAL61540;
XX
AAL61540;
XX
AAL61540;
XX

Z2-SEP-2003 (first entry)
XX
DE Human inhibitor-kappa B-R; I
KW ikappab r; antisense; immune
KW ikappab r; antisense
Claim 3; Page 74; 108pp; Eng
XX
CS Synthetic.

XX
New antisense oligonuclectid
PT associated with expression of immune response or infection
XX
PN WPI; 2003-468635/44.
XX
PN WPI; 2003-468635/44.
XX
PI Monia BP, Watt AT;
XX
Claim 3; Page 74; 108pp; Eng
XX
CC inhibitor-kappa B-R such as
CC cintal or parasitic). They
CC for treating diseases or con
CC inhibitor-kappa B-R such as
CC viral or parasitic). They
CC for formation, as research reage
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Best Local S
Matches 20
  The invention relates to antisense compounds targetted to a nucleic acid molecule encoding human inhibitor-kappa B-R (also known as I kappaBR, IXBR, I-kappa-B-related, ikappab r, nuclear factor of kappa light polypeptides gene enhancer in B-cells inhibitor-like 2 and NFKBIL2) to inhibit its expression. Antisense compounds of the invention are useful for treating diseases or conditions associated with the expression of inhibitor-kappa B-R such as a heightened immune response involving increased cytokine expression, or a result of infection (e.g. bacterial, viral or parasitic). They are useful for diagnostics, therapeutics, prophylaxis e.g. to prevent or delay infection, inflammation or tumour formation, as research reagents and kits and in distinguishing between
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human, inhibitor-kappa B-R; I-kappaBR; IKBR; I-kappa-B-related; NFKBIL2; ikappab r; antisense; immune response; infection; inflammation; therapy; tumour; prophylaxis; phosphorothicate; ss.
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                                                                                                                                                                                                                                                                                                                                     New antisense oligonucleotides targeted to nucleic acids encoding inhibitor kappa B-R, useful for diagnosing or treating diseases associated with expression of inhibitor-kappa B-R, e.g., a heighte immune response or infection.
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                                                                                                                                                                                                                                                                                           74; 108pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /mod_base= OTHER
/note= "Phosphorothioate backbone; All cytidine residues
are 5-methylcytidines"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           'mod_base= OTHER
'note= "2'-methoxyethyl (2'-MOE) nucleotides'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 mod_base= OTHER
note= "2'-methoxyethyl
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Pred. No.
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RESULT 15
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                                                                                         New antisense oligonucleotides targeted to nucleic acids encoding inhibitor-kappa B-R, useful for diagnosing or treating diseases associated with expression of inhibitor-kappa B-R, e.g., a height immune response or infection.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human; inhibitor-kappa B-R; I-kappaBR; IKBR; I-kappa-B-related; NFKBIL2; ikappab r; antisense; immune response; infection; inflammation; therapy; tumour; prophylaxis; phosphorothicate; ss.
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The invention relates to antisense compounds targetted to a nucleic acid molecule encoding human inhibitor-kappa B-R (also known as I-kappaBR, IKBR, I-kappa-B-related, ikappab r, nuclear factor of kappa light polypeptides gene enhancer in B-cells inhibitor-like 2 and NFKBIII2) to inhibit its expression. Antisense compounds of the invention are useful
                                                                                                                                                                                                                                                                                                                                                modified_base
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                                                                     Claim
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                                                                    Page 74; 108pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           standard;
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                                                                                                                                                                          Watt AT;
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ilarity 100.0%;
Conservative (
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are 5-methylcytidines"
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Pred. No.
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                      New antisense oligonucleotides targeted to nucleic acids encoding inhibitor-kappa B-R, useful for diagnosing or treating diseases associated with expression of inhibitor-kappa B-R, e.g., a heighte immune response or infection.
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Synthetic.
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o r; antisense; immune response;
; prophylaxis; phosphorothioate;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 standard; DNA;
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/note= "2'-methoxyethyl
                                                                                                                                                                                                                                                                                                         /*tag= b
/mod_base= OTHER
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are 5-methylcytidines"
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100.0%; Pr
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Pred. No.
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7.3;
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:ion; inflammation;
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therapy;
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74; 108pp;

English

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RESULT 17
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ID AL615
XX AL615
XX AL615
XX AL615
XX AL615
XX Human
XX Human;
KW ikappa;
KW i
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Best Local :
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modified_base
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                                        WPI; 2003-468635/44
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b r: antisense; immune response; infection; inflammation; therapy;
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/mod_base= OTHER
/note= "2'-methoxyethyl (2'-MOE)
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/note= "Phosphorothioate backbone; All cytidine residues
are 5-methylcytidines"
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e= "2'-methoxyethyl (2'-MOE)
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Pred. No.
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The invention relates to antisense compounds targetted to a nucleic acid molecule encoding human inhibitor-kappa B-R (also known as I-kappaBR, IKBR, I-kappa-B-related, ikappab r, nuclear factor of kappa BR, polypeptides gene enhancer in B-cells inhibitor-like 2 and MFKBIL2) to inhibit its expression. Antisense compounds of the invention are useful for treating diseases or conditions associated with the expression of inhibitor-kappa B-R such as a heightened immune response involving increased cytokine expression, or a result of infection (e.g. bacterial, viral or parasitic). They are useful for diagnostics, therapeutics, prophylaxis e.g. to prevent or delay infection, inflammation or tumour formation, as research reagents and kits and in distinguishing between functions of various members of a biological pathway. They are also useful in antisense therapy. The present sequence is an oligonucleotide targetted to human inhibitor-kappa B-R DNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                            108pp; English.
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밁 Ş Query Match Best Local S Matches 20 Sequence 20 BP; 3 A; 8 C; 5 G; 4 T; 0 U; 0 Other; 1658 GCAGAGGCAGGTCTTGCAGC 1677 20 l Similarity 20; Conserv GCAGAGGCAGGTCTTGCAGC 1 larity 100.0%; F Conservative 0; 0.8%; Score 20; Mismatches No. 7.3; DB 1; Length 20 0 Indels 0 Gaps 0

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Human inhibitor-kappa B-R antisense oligonucleotide,
                                  22-SEP-2003
                                                             AAL61570;
                                                                                           AAL61570 standard; DNA; 20
                                (first
                                entry
                                                                                            ВP
    ISIS #130495.
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Human, inhibitor-kappa B-R; I-kappaBR; IKBR; I-kappa-B-related; NFKBIL2; ikappab r; antisense; immune response; infection; inflammation; therapy; tumour; prophylaxis; phosphorothicate; ss. r; antisense; immune response; prophylaxis; phosphorothicate;

Homo sapiens. Synthetic.

WO2003042360-A2 modified\_base modified\_base modified\_base /\*tag= \(\nu\) /mod\_base= OTHER /note= "2'-methoxyethyl ( /\*tag= a
/mod\_base= OTHER
/mote= "Phosphorothicate
are 5-methylcytidines" Location/Qualifiers /\*tag= /mod\_ba base= OTHER ი -methoxyethyl (2'-MOE) (2'-MOE) nucleotides' backbone; nucleotides' All cytidine residues

22-MAY-2003

05-NOV-2002; 2002WO-US035597

13-NOV-2001; 2001US-00993731

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RESULT 19
AAL61571/c
ID AAL615
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Best Local Similarity
Matches 20; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New antisense oligonucleotides targeted to nucleic acids encoding inhibitor-kappa B-R, useful for diagnosing or treating diseases associated with expression of inhibitor-kappa B-R, e.g., a heightened immune response or infection.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The invention relates to antisense compounds targetted to a mucleic acid molecule encoding human inhibitor kappa B-R (also known as I-kappaBR, I-kappa-B-related. ikappaB r. nuclear factor of kappa lidht
                                                                                                                                                                                                                                                                                                                                                                                           Human inhibitor-kappa B-R antisense oligonucleotide, ISIS #130496.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAL61571
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Example 15; Page 74; 108pp; English
               WO2003042360-A2
                                                                                                                                                    modified_base
                                                                                                                                                                                                                                 modified_base
                                                                                                                                                                                                                                                                                 Synthetic.
                                                                                                                                                                                                                                                                                                   Homo sapiens
                                                                                                                                                                                                                                                                                                                                 tumour;
                                                                                                                                                                                                                                                                                                                                                                                                                              22-SEP-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              targetted to human inhibitor-kappa B-R DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (ISIS-) ISIS PHARM
                                                                                         modified_base
                                                                                                                                                                                                                                                                                                                                                 ikappab
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1463 CATGAAGGACCACCATGGGG 1482
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        20
                                                                                                                                                                                                                                                                                                                                                 inhibitor-kappa B-R; I-kappaBR; IKBR; I-kappa-B-related; NFKBIL2;
b r; antisense; immune response; infection; inflammation; therapy;
                                                                                                                                                                                                                                                                                                                                prophylaxis; phosphorothicate; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           standard; DNA; 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Watt AT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  BP; 2 A; 7 C; 5 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0.8%;
llarity 100.0%;
Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                            (first entry)
                                                                                                                                                                                                                                      Location/Qualifiers
1. .20
                                                                                                                /note= "Phosphorothioate backbone; All cytidine
are 5-methylcytidines"
                                             note=
                                                                                                          note=
                                                              mod
                                                                                                                                                                                                   mod_base= OTHER
                                                                                            . 20
                                                            _base= OTHER
                                                                                                           "2'-methoxyethyl
                                             "2'-methoxyethyl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ΒP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; Score 20; DB
%; Pred. No. 7.3
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 1;
7.3;
                                             (2'-MOE)
                                                                                                           (2'-MOE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 20
                                               nucleotides"
                                                                                                           nucleotides"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0
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RESULT 20
AAL61555/c
ID AAL615
XX AAL615
XX AAL615
XX Luman
XX Human
XX Human
XX Human
XX Human
XX Hono s
OS Synthe
XX Synthe
FI Rey
FI modifi
FI modifi
FI modifi
FI modifi
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Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The invention relates to antisense compounds targetted to a nucleic acid molecule encoding human inhibitor-kappa B-R (also known as I-kappaBR, IXBR, I-kappa-B-related, ikappab r, nuclear factor of kappa BR, polypepides gene enhancer in B-cells inhibitor-like 2 and NFKBIL2) to inhibit its expression. Antisense compounds of the invention are useful for treating diseases or conditions associated with the expression of inhibitor-kappa B-R such as a heightened immune response involving increased cytokine expression, or a result of infection (e.g. bacterial, viral or parasitic). They are useful for diagnostics, therapeutics, prophylaxis e.g. to prevent or delay infection, inflammation or tumour formation, as research reagents and kits and in distinguishing between functions of various members of a biological pathway. They are also useful in antisense therapy. The present sequence is an oligonucleotide targetted to human inhibitor-kappa B-R DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          New antisense oligonucleotides targeted to nucleic acids encoding inhibitor-kappa B-R, useful for diagnosing or treating diseases associated with expression of inhibitor-kappa B-R, e.g., a heightened immune response or infection.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2003-468635/44.
                                                                                                                                                                                                                                            Human; inhibitor-kappa B-R; I-kappaBR; IKBR; I-kappa-B-related; ikappab r; antisense; immune response; infection; inflammation; tumour; prophylaxis; phosphorothicate; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 20 BP; 3 A; 8 C; 4 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 3; Page 74; 108pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           13-NOV-2001; 2001US-00993731.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          05-NOV-2002; 2002WO-US035597.
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                                                                                                                                                                                              Homo sapiens.
Synthetic.
                                                                                                                                                                                                                                                                                                              Human inhibitor-kappa B-R antisense oligonucleotide,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (ISIS-) ISIS PHARM INC.
                                                             modified_base
                                                                                                                                                                                                                                                                                                                                                22-SEP-2003
                                                                                                                                                                                                                                                                                                                                                                             AAL61555;
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 modified_base
                                                                                                                                               modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1485 GTGCGCCACTATGAGGAGGA 1504
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20; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                               standard; DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GTGCGCCACTATGAGGAGGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Conservative
                                                                                                                                                                                                                                                                                                                                              (first entry)
                                                                /mod_base= OTHER
/note= "Phosphorothicate
are 5-methylcytidines"
1. . 5
 /note=
16. .20
                                                                                                                                                               Location/Qualifiers
                                                                                                                                 /*tag=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%;
                                 _base= OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0.8%; Score 20;
100.0%; Pred. No.
                 "2'-methoxyethyl
                                                                                                                                                                                                                                                                                                                                                                                                               20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            7.3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 1;
                 (2'-MOE)
                                                                                                  backbone; All cytidine residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 20;
                 nucleotides'
                                                                                                                                                                                                                                                                                                                  ISIS #130480.
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RESULT 21
ALL61550/c
ID AAL615
XX AAL615
XX AAL615
XX AAL615
XX Human
XX Human
XX Human
XX Humour
XX Ikappa
KW Limour
XX Synthe
XX Synthe
XX Hodifi
FT modifi
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                                                                                                                                                                                                                                                                                                                                                                                                                                      Ś
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The invention relates to antisense compounds targetted to a nucleic acid molecule encoding human inhibitor-kappa B-R (also known as I-kappaBR, IKBR, I-kappa-B-related, ikappab r, nuclear factor of kappa light polypeptides gene enhancer in B-cells inhibitor-like 2 and NFKBIL2) to inhibit its expression. Antisense compounds of the invention are useful for treating diseases or conditions associated with the expression of increased cytokine expression, or a result of infection (e.g. bacterial, viral or parasitic). They are useful for diagnostics, therapeutics, prophylaxis e.g. to prevent or delay infection, inflammation or tumour formation, as research reagents and kits and in distinguishing between functions of various members of a biological pathway. They are also useful in antisense therapy. The present sequence is an oligonucleotide targetted to human inhibitor-kappa B-R DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local
                                                                                                                                                                   Human; inhibitor-kappa B-R; I-kappaBR; IKBR; I-kappa-B-related; NFKBIL2; ikappab r; antisense; immune response; infection; inflammation; therapy; tumour; prophylaxis; phosphorothicate; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New antisense oligonucleotides targeted to nucleic acids encoding inhibitor kappa B-R, useful for diagnosing or treating diseases associated with expression of inhibitor-kappa B-R, e.g., a height immune response or infection.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            05~NOV-2002; 2002WO-US035597
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            13-NOV-2001; 2001US-00993731.
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                                                                                                                                                                                                                                  Human inhibitor-kappa B-R antisense oligonucleotide,
                                                                                                                                                                                                                                                                  22-SEP-2003
                                                                                                                                                                                                                                                                                                AAL61550;
                                                                                                                                                                                                                                                                                                                              AAL61550 standard; DNA; 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 20 BP; 4 A; 6 C; 6 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (ISIS-) ISIS PHARM INC
                                                                         modified_base
                                                                                                                         Synthetic.
                                                                                                                                       Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                       1223 GAACCTCCAGCATGTGCTGG 1242
                                                                                                                                                                                                                                                                                                                                                                                                           20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     20;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Watt AT;
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1. .20
1. .20
/*tag= a
/mod_base= OTHER
/mod_base= "Phosphorothicate b/
                                                                                                                                                                                                                                                                  (first
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /mod_base= OTHER
/note= "2'-methoxyethyl (2'-MOE) nucleotides"
                                                                                          Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0.8%;
                                                                                                                                                                                                                                                                 entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0,
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Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 1; Length 20; 7.3;
                               backbone; All cytidine residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Indels
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RESULT 22
AAL61551/c
ID AAL61551;
XX
AAL61551;
XX
PT 22-SEP-2003 (first entry)
XX
DE Human inhibitor-kappa B-R
XX
M ikappab r; antisense; immu
KW ikappab r; antisense; immu
KW tumour; prophylaxis; phosy
XX
OS Homo sapiens.
OS Synthetic.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The invention relates to antisense compounds targetted to a nucleic acid composed by the control of control of the control of 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Matches
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Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New antisense oligonucleotides targeted to nucleic acids encoding inhibitor kappa B-R, useful for diagnosing or treating diseases associated with expression of inhibitor-kappa B-R, e.g., a heightened immune response or infection.
                                                                      Human; inhibitor-kappa B-R; I-kappaBR; IKBR; I-kappa-B-related; NFKBIL2; ikappab r; antisense; immune response; infection; inflammation; therapy; tumour; prophylaxis; phosphorothioate; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Claim 3; Page 74; 108pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  13-NOV-2001; 2001US-00993731.
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                                                                                                                                                                             Human inhibitor-kappa B-R antisense oligonucleotide,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 20 BP; 7 A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2003-468635/44.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1099 AGTGCTGCGTGGTTATTGCA 1118
                                                                                                                                                                                                                                                                                                                                                                                                                                                   20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Similarity 100.0%; F
20; Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                   AGTGCTGCGTGGTTATTGCA 1
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                                                                                                                                                                                                                            (first entry
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e= "2'-methoxyethyl (2'-MOE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                7 C; 3 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            base= OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "2'-methoxyethyl
                                                                                                                                                                                                                                                                                                                             20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 20;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DB 1; Length 20, 7.3;
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                                                                                                                                                                                  ISIS #130476.
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RESULT 23
AAL61566/c
ID AAL615
XX
AC AAL615
XX
AC AAL615
XX
DT 22-SEP
XX
DE Human
XX
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                                                                                                                                                                                                                                     Query Match
Best Local S
Matches 20
                                                                                                                                                                                                                                                                                                                       The invention relates to antisense compounds targetted to a nucleic acid molecule encoding human inhibitor-kappa B-R (also known as I-kappaBR, IKBR, I-kappa-B-related, ikappab r, nuclear factor of kappa BR, polypeptides gene enhancer in B-cells inhibitor-like 2 and MFKBIL2) to inhibit its expression. Antisense compounds of the invention are useful for treating diseases or conditions associated with the expression of inhibitor-kappa B-R such as a heightened immune response involving increased cytokine expression, or a result of infection (e.g. bacterial, viral or parasitic). They are useful for diagnostics, therapeutics, prophylaxis e.g. to prevent or delay infection, inflammation or tumour formation, as research reagents and kits and in distinguishing between functions of various members of a biological pathway. They are also useful in antisense therapy. The present sequence is an oligonucleotide targetted to human inhibitor-kappa B-R DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New antisense oligonuclectides targeted to nucleic acids encoding inhibitor-kappa B-R, useful for diagnosing or treating diseases associated with expression of inhibitor-kappa B-R, e.g., a heightened immune response or infection.
                 Human inhibitor-kappa B-R antisense oligonucleotide, ISIS #130491.
                                                                                                                                                                                                                                                                                               Sequence 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Monia BP,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               13-NOV-2001;
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modified_base
                                                                                                      AAL61566 standard;
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                                               22-SEP-2003
                                                                          AAL61566
                                                                                                                                                                                                          1112
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                                                                                                                                                                                                                                      l Similarity 100.0%;
20; Conservative
                                                                                                                                                                                               TATTGCACAGGTCCTCCAAG 1131
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                                                                                                                                                                               TATTGCACAGGTCCTCCAAG 1
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/note= "2'-methoxyethyl
16. .20
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are 5-methylcytidines"
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                                                                                                      DNA;
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100.0%; Pred. No.
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RESULT 24 AAL61577/c ID AAL615 XX

AAL61577

standard; DNA; 20

BP.

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Query Match
Best Local S
Matches 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New antisense oligonucleotides targeted to nucleic acids encoding inhibitor-kappa B-R, useful for diagnosing or treating diseases associated with expression of inhibitor-kappa B-R, e.g., a heightened immune response or infection.
                                                                                                                                                                                      Sequence
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20
                                                                                        Similarity
20; Conserv
                                                                                                                                                                                      20
GACTITCCCAGGGCAGCTGA 1
                                            GACTTTCCCAGGGCAGCTGA 1366
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Watt AT;
                                                                                                                                                                                      BP; 4 A; 6 C; 6 G; 4 T; 0 U; 0 Other;
                                                                                           Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /mod_base= OTHER
/note= "2'-methoxysthyl (2'-MOE) nucleotides"
16. .20
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/note= "Phosphorothioate backbone; All cytidine residues
are 5-methylcytidines"
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                                                                                                                  100.0%;
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                                                                                                           ; Score 20;
%; Pred. No.
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                                                                                             Mismatches
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infection; inflammation;
                                                                                                             DB 1;
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                                                                                                                                          Length 20;
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therapy;
                                                                                             Gaps
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Matches 20
                                                                                                                              The invention relates to antisense compounds targetted to a nucleic acid molecule encoding human inhibitor-kappa B-R (also known as I-kappaBR, IKBR, I-kappa B-related, ikappab r, nuclear factor of kappa light polypeptides gene enhancer in B-cells inhibitor-like 2 and NFKBIL2) to inhibit its expression. Antisense compounds of the invention are useful for treating diseases or conditions associated with the expression of inhibitor-kappa B-R such as a heightened immune response involving increased cytokine expression, or a result of infection (e.g. bacterial, viral or parasitic). They are useful for diagnostics, therapeutics, prophylaxis e.g. to prevent or delay infection, inflammation or tumour formation, as research reagents and kits and in distinguishing between functions of various members of a biological pathway. They are also useful in antisense therapy. The present sequence is an oligonucleotide targetted to human inhibitor-kappa B-R DNA
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Synthetic.
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                                                                                                           Sequence
                                                                                                                                                                                                                                                                                                                                               Example 15; Page 75; 108pp; English.
                                                                                                                                                                                                                                                                                                                                                                           New antisense oligonucleotides targeted to nucleic acids encoding inhibitor-kappa B-R, useful for diagnosing or treating diseases associated with expression of inhibitor-kappa B-R, e.g., a heighte immune response or infection.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Monia BP,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (ISIS-) ISIS PHARM INC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  inhibitor-kappa B-R; I-kappaBR; IKBR; I-kappa-B-related; NFKBIL2;
b r; antisense; immune response; infection; inflammation; therapy;
; prophylaxis; phosphorothioate; ss.
20
                                                                   Similarity
                                                                                                           20
                          CGATGCCTACGAGCTGCTGG 1602
                                                  0.8%; Scilarity 100.0%; F
Conservative 0;
                                                                                                         BP; 4 A; 7 C; 6 G; 3 T; 0 U; 0 Other;
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/mod_base= OTHER
/mote= "2'-methoxyethyl
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/note= "2'-methoxyethyl
16. .20
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are 5-methylcytidines"
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RESULT 25
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ID AAL61
XX AAL61

                                              The invention relates to antisense compounds targetted to a nucleic acid molecule encoding human inhibitor-kappa B-R (also known as I-kappaBR, IKBP, I-kappa-B-related, ikappab r, nuclear factor of kappa light polypeptides gene enhancer in B-cells inhibitor-like 2 and NFKBIL2) to inhibit its expression. Antisense compounds of the invention are useful for treating diseases or conditions associated with the expression of inhibitor-kappa B-R such as a heightened immune response involving increased cytokine expression, or a result of infection (e.g. bacterial, viral or parasitic). They are useful for dispostics, therapeutics, prophylaxis e.g. to prevent or delay infection, inflammation or tumour functions of various members of a biological pathway. They are also useful in antisense therapy. The present sequence is an oligonucleotide targetted to human inhibitor-kappa B-R DNA
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AAL61581
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b r; antisense; immune response;
; prophylaxis; phosphorothicate;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     response or infection.
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are 5-methylcytidines"
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/mod_base= OTHER
/note= "2'-methoxyethyl
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e= "2'-methoxyethyl (2'-MOE) nucleotides
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infection; inflammation; therapy;
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Query Match

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Matches
The invention relates to antisense compounds targetted to a nucleic acid molecule encoding human inhibitor-kappa B-R (also known as I-kappaBR, IKBR, I-kappa-B-related, ikappab r, nuclear factor of kappa light polypeptides gene enhancer in B-cells inhibitor-like 2 and NFKBIL2) to inhibit its expression. Antisense compounds of the invention are useful for treating diseases or conditions associated with the expression of inhibitor-kappa B-R such as a heightened immune response involving increased cytokine expression, or a result of infection (e.g. bacterial, viral or parasitic). They are useful for diagnostics, therapeutics, prophylaxis e.g. to prevent or delay infection, inflammation or tumour formation, as research reagents and kits and in distinguishing between functions of various members of a biological pathway. They are also
                                                                                                                                                                                                                                                                                                                 New antisense oligonucleotides targeted to nucleic acids encoding inhibitor-kappa B-R, useful for diagnosing or treating diseases associated with expression of inhibitor-kappa B-R, e.g., a heightened immune response or infection.
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r; antisense; immune response;
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tion; inflammation; therapy;
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to human inhibitor-kappa
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are 5-methylcytidines"
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Pred. No.
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The invention relates to antisense compounds targetted to a nucleic aci molecule encoding human inhibitor-kappa B-R (also known as I-kappaBR, IKBR, I-kappa-B-related, ikappab r, nuclear factor of kappa light polypeptides gene enhancer in B-cells inhibitor-like 2 and NFKBILD) to inhibit its expression. Antisense compounds of the invention are useful for treating diseases or conditions associated with the expression of

acid

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RESULT 28
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Best Local 9
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                                                New antisense oligonucleotides targeted to nucleic acids encoding inhibitor kappa B-R, useful for diagnosing or treating diseases associated with expression of inhibitor-kappa B-R, e.g., a height immune response or infection.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human; inhibitor-kappa B-R; I-kappaBR; ikappab r; antisense; immune response; tumour; prophylaxis; phosphorothioate;
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                                                                                                                                    WPI; 2003-468635/44.
                                                                                                                                                                     Monia
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/mod_base= OTHER
/note= "2'-methoxyethyl (2'-MOE)
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/note= "2'-methoxyethyl (2'-MOE)
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/mod_ba
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/note= "Phosphorothioate backbone; All cytidine residues
are 5-methylcytidines"
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infection; inflammation; therapy;
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Claim 3; Page 75; 108pp; English

New antisense oligonucleotides targeted to nucleic acids encoding

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RAESULT 29
RAL61539/c
ID AAL615
XX AAL615
AC AAL615
XX Human
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                                                          WPI; 2003-468635/44
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Synthetic:
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7.3;
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Best Local S
Matches 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   inhibitor-kappa B-R, useful for diagnosing or treating diseases associated with expression of inhibitor-kappa B-R, e.g., a heightened immune response or infection.
                                                      05-NOV-2002;
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                           13-NOV-2001; 2001US-00993731.
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  SISI (-SISI)
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b r; antisense; immune response; infection; inflammation; therapy;
; prophylaxis; phosphorothioate; ss.
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20; Conserv
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  PHARM INC
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/mod_base= OTHER
/mote= "2'-methoxyethyl
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/note= "Phosphorothioate backbone;
are 5-methylcytidines"
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== "2'-methoxyethyl (2'-MOE)
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Homo sapiens. Synthetic.

modified\_base

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Location/Qualifiers

22-MAY-2003

WO2003042360-A2

modified\_base

\*tag=

OTHER

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16. 20

(2'-MOE)

nuclectides

modified\_base

/mod\_base= OTHER
/note= "Phosphorothioate backbone;
are 5-methylcytidines"

All cytidine residues

Human; inhibitor-kappa B-R; I-kappaBR; IKBR; I-kappa-B-related; NFKBIL2; ikappab r; antisense; immune response; infection; inflammation; therapy; tumour; prophylaxis; phosphorothicate; ss.

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RESULT 31
AAL61574/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            New antisense oligonucleotides targeted to nucleic acids encoding inhibitor-kappa B-R, useful for diagnosing or treating diseases associated with expression of inhibitor-kappa B-R, e.g., a heighte immune response or infection.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         22-SEP-2003
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Monia BP,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1061 GTGTGCGCACACCATGAGGA 1080
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      inhibitor-kappa B-R antisense oligonucleotide, ISIS #130499.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Watt AT;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 1;
7.3;
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RESULT 32
AL61575/c
ID AL615
XX AL615
XX AL615
XX Human
XX Human;
KW Ikappa
KW Ikappa
KW Lumour
XX Homo s
OS Synthe
XX Synthe
XX ET modifi
FT modifi
FT modifi
FT modifi
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Best Local &
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The invention relates to antisense compounds targetted to a nucleic acid molecule encoding human inhibitor-kappa B-R (also known as I-kappaBR, IKER, I-kappa-B-related, ikappab r, nuclear factor of kappa light polypeptides gene enhancer in B-cells inhibitor-like 2 and NFKBIL2) to inhibit its expression. Antisense compounds of the invention are useful for treating diseases or conditions associated with the expression of inhibitor-kappa B-R such as a heightened immune response involving increased cytokine expression, or a result of infection (e.g. bacterial, viral or parasitic). They are useful for diagnostics, therapeutics, prophylaxis e.g. to prevent or delay infection, inflammation or tumour formation, as research reagents and kits and in distinguishing between functions of various members of a biological pathway. They are also useful in antisense therapy. The present sequence is an oligonucleotide targetted to human inhibitor-kappa B-R DNA
                                                                                                                                                Key
modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New antisense oligonucleotides targeted to nucleic acids encoding inhibitor-kappa B-R, useful for diagnosing or treating diseases associated with expression of inhibitor-kappa B-R, e.g., a height immune response or infection.
            modified_base
                                                                     modified_base
                                                                                                                                                                                              Synthetic
                                                                                                                                                                                                                                         tumour;
                                                                                                                                                                                                                                                                       Human;
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                                                                                                                                                                                                                                                                                                                                                                                          AAL61575 standard; DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 20 BP; 2 A; 9 C; 4 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       13-NOV-2001;
                                                                                                                                                                                                         Homo sapiens
                                                                                                                                                                                                                                                    ikappab
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Monia
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1526 CGTGCTGGAGGAGGCCAAGA 1545
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ВP,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            20;
                                                                                                                                                                                                                                                                                                 inhibitor-kappa B-R antisense oligonucleotide, ISIS #130500.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   20
                                                                                                                                                                                                                                                    inhibitor-kappa B-R; I-kappaBR; IKBR; I-kappa-B-related; NFKBIL2; br; antisense; immune response; infection; inflammation; therapy;
                                                                                                                                                                                                                                       r; antisense;
prophylaxis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ISIS PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CGTGCTGGAGGAGGCCAAGA 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Watt AT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Page 75;
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                                                                                                                                                                                                                                                                                                                               (first entry)
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                                                                                       are
                                                                                                                                                              Location/Qualifiers
                           /mod_base= OTHER
/note= "2'-methoxyethyl
                                                                                       /mod_base= OTHER
/note= "Phosphorothioate backbone;
are 5-methylcytidines"
                                                            *tag=
                                                                                                                                     *tag=
                 . 20
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                                                                                                                                                                                                                                         phosphorothicate;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0.8%;
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                                                                                                                                                                                                                                                                                                                                                                                          20
                                                                                                                                                                                                                                                                                                                                                                                          ВP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 20;
Pred. No.
                                                                                                                                                                                                                                         infection;
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7.3;
                              (2'-MOE) nucleotides"
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                                                                                                     All cytidine residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      heightened
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AAL61584/c
ID AAL615
XX
AC AAL615
AC AAL615
AC AAL615
AC Human
XX Human;
KW ikappak
KW ikappak
KW tumour
XX Homo s
OS Synthe
XX Synthe
XX Key
FT modifi
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                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local .
                                                                                                                                                                                                                                                                                                                                                                                                                                             Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The invention relates to antisense compounds targetted to a nucleic acid molecule encoding human inhibitor-kappa B-R (also known as I kappaBR, IKBR, I-kappa-B-related, ikappab r, nuclear factor of kappa light polypeptides gene enhancer in B-cells inhibitor-like 2 and NFKBIL2) to inhibit its expression. Antisense compounds of the invention are useful for treating diseases or conditions associated with the expression of increased cytokine expression, or a result of infection (e.g. bacterial, viral or parasitic). They are useful for diagnostics, therapeutics, prophylaxis e.g. to prevent or delay infection, inflammation or tumour formation, as research reagents and kits and in distinguishing between functions of various members of a biological pathway. They are also useful in antisense therapy. The present sequence is an oligonucleotide targetted to human inhibitor-kappa B-R DNA
                                                        Key
modified_base
                                                                                                                                                                   Human; inhibitor-kappa B-R; I-kappaBR; IKBR; I-kappa-B-related; NFKBIL2; ikappab r; antisense; immune response; infection; inflammation; therapy;
                                                                                                                                                                                                            Human inhibitor-kappa B-R antisense oligonucleotide,
                                                                                                                                                                                                                                              22-SEP-2003
                                                                                                                                                                                                                                                                           AAL61584;
                                                                                                                                                                                                                                                                                                     AAL61584 standard; DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New antisense oligonucleotides targeted to nucleic acids encoding inhibitor-kappa B-R, useful for diagnosing or treating diseases associated with expression of inhibitor-kappa B-R, e.g., a heighte immune response or infection.
                                                                                                         Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2003-468635/44.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WO2003042360-A2.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (ISIS-) ISIS PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                              1530 CTGGAGGAGGCCAAGACCTG 1549
                                                                                                                       sapiens
                                                                                                                                                                                                                                                                                                                                                                                   20
                                                                                                                                                                                                                                                                                                                                                                                                                                             20;
                                                                                                                                                      prophylaxis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Similarity
                                                                                                                                                                                                                                                                                                                                                                                 CTGGAGGAGGCCAAGACCTG 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      20 BP; 2 A; 8 C; 5 G; 5 T; 0 U;
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                                                                                                                                                                                                                                                                                                                                                                                                                                             Conservative
                                                                                                                                                                                                                                            (first entry)
 /mod_base= OTHER
/note= "Phosphorothicate
are 5-methylcytidines"
                                                                          Location/Qualifiers
                                          /*tag= a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                'mod_base= OTHER
'note= "2'-methoxyethyl (2'-MOE) nucleotides"
                                                                                                                                                                                                                                                                                                                                                                                                                                                        0.8%;
                                                                                                                                                   phosphorothicate;
                                                                                                                                                                                                                                                                                                        20
                                                                                                                                                                                                                                                                                                          ВP
                                                                                                                                                                                                                                                                                                                                                                                                                                          0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 20;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                           Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                        DB 1;
7.3;
                backbone; All
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 20
                                                                                                                                                                                                                                                                                                                                                                                                                                           Indels
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                cytidine residues
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RESULT 34
ALI61585/c
ID AALI615
XX AAL615
XX AAL615
XX AAL615
XX Human
ID 22-SEP
XX Human
XX Human
XX Humoux
XX Humoux
XX Homo E
OS Synthe
XX Home
S S Synthe
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Best Local S
Matches 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                    The invention relates to antisense compounds targetted to a nucleic acid molecule encoding human inhibitor-kappa B-R (also known as I-kappaBR, IKBR, I-kappaB-B-related, ikappab r, nuclear factor of kappa Iight polypeptides gene enhancer in B-cells inhibitor-like 2 and NFKBIL2) to inhibit its expression. Antisense compounds of the invention are useful for treating diseases or conditions associated with the expression of inhibitor-kappa B-R such as a heightened immune response involving increased cytokine expression, or a result of infection (e.g. bacterial, viral or parasitic). They are useful for diagnostics, therapeutics, prophylaxis e.g. to prevent or delay infection, inflammation or tumour formation, as research reagents and kits and in distinguishing between functions of various members of a biological pathway. They are also useful in antisense therapy. The present sequence is an oligonucleotide targetted to human inhibitor-kappa B-R DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New antisense oligonucleotides targeted to nucleic acids encoding inhibitor-kappa B-R, useful for diagnosing or treating diseases associated with expression of inhibitor-kappa B-R, e.g., a heightened immune response or infection.
                Homo sapiens
Synthetic.
                                                            ikappab r; antisense; immune response;
tumour; prophylaxis; phosphorothioate;
                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Monia BP,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   05-NOV-2002; 2002WO-US035597
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                                                                            Human; inhibitor-kappa B-R; I-kappaBR;
ikappab r; antisense; immune response;
                                                                                                                         Human inhibitor-kappa
                                                                                                                                                           22-SEP-2003
                                                                                                                                                                                           AAL61585
                                                                                                                                                                                                                       AAL61585 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    13-NOV-2001; 2001US-00993731.
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                                                                                                                                                                                                                                                                                                      20
                                                                                                                                                                                                                                                                                                                                                                20;
                                                                                                                                                                                                                                                                                                                                                                             Similarity
                                                                                                                                                                                                                                                                                                                                TGCAGCTGAGGCTGCAGCCC 1709
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Page 75; 108pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Watt AT;
                                                                                                                                                                                                                                                                                                                                                                                                                           BP; 3 A; 7 C; 7 G; 3 T; 0 U; 0 Other;
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                                                                                                                                                        (first entry)
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16. .20
/*tag=
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/*tag=
/mod_ba
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/note= "2'-methoxyethyl
                                                                                                                                                                                                                       DNA;
                                                                                                                                                                                                                                                                                                                                                                            100.0%;
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e= "2'-metho
                                                                                                                           B-R antisense oligonucleotide, ISIS #130510.
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                                                                                                                                                                                                                                                                                                                                                              0;
                                                                                                                                                                                                                                                                                                                                                                Mismatches
                                                                           IKBR; I-kappa-B-related; NFKBIL2;
infection; inflammation; therapy;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (2'-MOE) nucleotides"
                                                                                                                                                                                                                                                                                                                                                                Indels
                                                                                                                                                                                                                                                                                                                                                              0
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AAL61552/c
ID AAL6155
XX
AC AAL6155
XX
C AAL6155
XX
DT 22-SEP-
XX
DE Human 1
XX
Human;
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                                                                                                                                                                                                                                                                                                                                                 The invention relates to antisense compounds targetted to a nucleic acid molecule encoding human inhibitor-kappa B-R (also known as I-kappaBR, IKBR, I-kappa-B-related, ikappabr, nuclear factor of kappa light polypeptides gene enhancer in B-cells inhibitor-like 2 and NPKBIL2) to inhibit its expression. Antisense compounds of the invention are useful for treating diseases or conditions associated with the expression of inhibitor-kappa B-R such as a heightened immune response involving increased cytokine expression, or a result of infection (e.g. bacterial, viral or parasitic). They are useful for diagnostics, therapeutics, prophylaxis e.g. to prevent or delay infection, inflammation or tumour formation, as research reagents and kits and in distinguishing between functions of various members of a biological pathway. They are also useful in antisense therapy. The present sequence is an oligonuclectide targetted to human inhibitor-kappa B-R DNA
                                                                                                                                                                                                                                                                             Query Match
Best Local :
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 Human; inhibitor-kappa B-R; I-kappaBR; IKBR; I-kappa-B-related; NFKBIL2;
                               Human inhibitor-kappa B-R antisense oligonucleotide,
                                                            22-SEP-2003
                                                                                            AAL61552
                                                                                                                        AAL61552 standard;
                                                                                                                                                                                                                                                                                                                          Sequence 20 BP; 2 A; 6 C; 6 G; 6 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (ISIS-) ISIS PHARM INC
                                                                                                                                                                                                                               1730 AACCAGACTGCGGGAGCTCA 1749
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       3; Page 75; 108pp; English.
                                                                                                                                                                                                                                                                             Similarity
                                                                                                                                                                                                     AACCAGACTGCGGGAGCTCA 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Watt AT;
                                                                                                                                                                                                                                                                Conservative
                                                            (first entry)
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16. .20
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/mod_base= OTHER
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/note= "Phosphorothioate backbone; All cytidine residues
are 5-methylcytidines"
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/mod_base= OTHER
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                                                                                                                         DNA;
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100.0%; Pred. No.
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RESULT 36
AAL61553/c
ID AAL615
XX
AC AAL615
                                                                                                                                                                                                                                                                              Matches
                                                                                                                                                                                                                                                                                                      Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                    The invention relates to antisense compounds targetted to a nucleic acid molecule encoding human inhibitor-kappa B-R (also known as I-kappaBR, IKBR, I-kappaBP-erelated, ikappab I, nuclear factor of kappa BI-kappaBR, polypeptides gene enhancer in B-cells inhibitor-like 2 and NFKBIL2) to inhibit its expression. Antisense compounds of the invention are useful for treating diseases or conditions associated with the expression of inhibitor-kappa B-R such as a heightened immune response involving innereased cytokine expression, or a result of infection (e.g. bacterial, viral or parasitic). They are useful for diagnostics, therapeutics, prophylaxis e.g. to prevent or delay infection, inflammation or tumour formation, as research reagents and kits and in distinguishing between functions of various members of a biological pathway. They are also useful in antisense therapy. The present sequence is an oligonucleotide targetted to human inhibitor-kappa B-R DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New antisense oligonucleotides targeted to nucleic acids encoding inhibitor-kappa B-R, useful for diagnosing or treating diseases associated with expression of inhibitor-kappa B-R, e.g., a heightened immune response or infection.
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tumour; prophylaxis; [
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     AAL61553
                                                     AAL61553
                                                                                                                                                                                                                                                                                                                                                                              Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (ISIS-)
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                                                                                                                                                                                                                                                                                                                                                                            20 BP; 4 A; 6 C; 7 G; 3 T; 0 U; 0 Other;
                                                     standard; DNA; 20
                                                                                                                                                                                                                                                                              Conservative
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/note= "Phosphorothioate backbone; All cytidine residues
are 5-methylcytidines"
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1. .20
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/mod_base= OTHER
/note= "2'-methoxyethyl
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/note= "2'-methoxyethyl (2'-MOE) nucleotides"
16. .20
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100.0%; Pred. No.
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Matches 20
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modified_base
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                                                                                                                                                                                   inhibitor-kappa B-R such as a heightened immune response involving increased cytokine expression, or a result of infection (e.g. bacterial viral or parasitic). They are useful for diagnostics, therapeutics, prophylaxis e.g. to prevent or delay infection, inflammation or tumour formation, as research reagents and kits and in distinguishing between functions of various members of a biological pathway. They are also useful in antisense therapy. The present sequence is an oligonucleotide targetted to human inhibitor-kappa B-R DNA
                                                                                                                                                                                                                                                                                                                                                                            The invention relates to antisense compounds targetted to a nucleic aci molecule encoding human inhibitor-kappa B-R (also known as I-kappaBR, IKBR, I-kappa-B-related, ikappab r, nuclear factor of kappa light polypeptides gene enhancer in B-cells inhibitor-like 2 and NFKBIL2) to inhibit its expression. Antisense compounds of the invention are useful for treating diseases or conditions associated with the expression of the invention of the invent
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New antisense oligonucleotides targeted to nucleic acids encoding inhibitor-kappa B-R, useful for diagnosing or treating diseases associated with expression of inhibitor-kappa B-R, e.g., a heigh immune response or infection.
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                                                                                                                                          Sequence 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Claim 3; Page
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1194 AAGCCTGTGCAGAGGGCAGC 1213
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                                                                          Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Watt AT;
                                                                                                                                             BP; 2 A; 8 C; 5
                                              0.8%; Solarity 100.0%; I Conservative 0;
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/mod_base= OTHER
/note= "2'-methoxyethyl (2'-MOE) nucleotides"
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are 5-methylcytidines"
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note= "2'-methoxyethyl
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                                                                       Score 20; pred. No.
                                                   Mismatches
                                                                                                                                               T; 0
                                                                          No.
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                                                                          DB 1
7.3;
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                                                     0
                                                                                            Length 20;
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                                                     Indels
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                                                   Gaps
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RESULT 37
AAL61556/c
The invention relates to antisense compounds targetted to a nucleic acid molecule encoding human inhibitor-kappa B-R (also known as I-kappaBR, IKBR, I-kappa-B-related, ikappab r, nuclear factor of kappa light polypeptides gene enhancer in B-cells inhibitor-like 2 and NFKBIL2) to inhibit its expression. Antisense compounds of the invention are useful for treating diseases or conditions associated with the expression of inhibitor-kappa B-R such as a heightened immune response involving increased cytokine expression, or a result of infection (e.g. bacterial, viral or parasitic). They are useful for diagnostics, therapeutics, prophylaxis e.g. to prevent or delay infection, inflammation or tumour formation, as research reagents and kits and in distinguishing between functions of various members of a biological pathway. They are also useful in antisense therapy. The present sequence is an oligonucleotide targetted to human inhibitor-kappa B-R DNA
                                                                                                                                                                                                                                                                          New antisense oligonucleotides targeted to nucleic acids encoding inhibitor-kappa B-R, useful for diagnosing or treating diseases associated with expression of inhibitor-kappa B-R, e.g., a heightened immune response or infection.
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ikappab r; antisense; immune response;
tumour; prophylaxis; phosphorothioate;
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                                                                                                                                                                                                                                                                                                                                                                                                                                           13-NOV-2001; 2001US-00993731.
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                                                                                                                                                                                                                                               Page 74; 108pp; English.
                                                                                                                                                                                                                                                                                                                                                                                 Watt AT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
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5-methylcytidines"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        _base= OTHER
e= "2'-metho
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              base= OTHER
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "2'-methoxyethyl
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infection; inflammation; therapy;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (2'-MOE)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               nucleotides"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        nucleotides"
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Query Match Best Local Similarity

0.8%;

Score 20; Pred. No.

DB 1; 7.3;

Length 20;

Sequence 20

BP; S A;

9 C; 4 G; 2 T; 0 U; 0 Other;

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RESULT 38

ARIGITAZ/o
ID ARIGIS
XX AALGIS
XX Human;
XX Human;
XX Ikappa
XX Key
FT Modifi
FT modifi
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FT modifi
FT MODIA
XX CLAIM
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The invention relates to antisense compounds targetted to a nucleic acid molecule encoding human inhibitor-kappa B-R (also known as I-kappaBR, I-Kappa-B-related, ikappab r, nuclear factor of kappa light polypeptides gene enhancer in B-cells inhibitor-like 2 and NFKBI(2) to inhibit its expression. Antisense compounds of the invention are useful for treating diseases or conditions associated with the expression of inhibitor-kappa B-R such as a heightened immune response involving increased cytckine expression, or a result of infection (e.g. bacterial, viral or parasitic). They are useful for diagnostics, therapeutics, prophylaxis e.g. to prevent or delay infection, inflammation or tumour formation, as research reagents and kits and in distinguishing between functions of various members of a biological pathway. They are also useful in antisense therapy. The present sequence is an oligonucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                            New antisense oligonucleotides targeted to nucleic acids encoding inhibitor-kappa B-R, useful for diagnosing or treating diseases associated with expression of inhibitor-kappa B-R, e.g., a heighte immune response or infection.
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tion; inflammation;
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RESULT 40
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Best Local S
Matches 20
                                                                                                              New antisense oligonucleotides targeted to nucleic acids encoding inhibitor-kappa B-R, useful for diagnosing or treating diseases associated with expression of inhibitor-kappa B-R, e.g., a height
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Key
modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human; inhibitor-kappa B-R; I-kappaBR; ikappab r; antisense; immune response; tumour; prophylaxis; phosphorothicate;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       increased cytokine expression, or a result of infection (e.g. bacterial viral or parasitic). They are useful for diagnostics, therapeutics, prophylaxis e.g. to prevent or delay infection, inflammation or tumour formation, as research reagents and kits and in distinguishing between functions of various members of a biological pathway. They are also useful in antisense therapy. The present sequence is an oligonucleotide targetted to human inhibitor-kappa B-R DNA
                                                                                                                                                                                                              WPI; 2003-468635/44.
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Synthetic.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CCCTCAGGGTGCCATGGTCA 1308
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                                                                                           expression or infection
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/note= "Phosphorothioate backbone;
are 5-methylcytidines"
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e= "2'-methoxyethyl
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Pred. No.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 IKBR; I-kappa-B-related; NFKBIL2;
infection; inflammation; therapy;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 1;
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RESULT 41
AAL61576;
ID AAL61576;
XX Human inhibitor-kappa B-R; 1
XW Human; inhibitor-kappa B-R; 1
XW ikappab r; antisense; immune tumour; prophylaxis; phosphory and the tumour; phosphory and tu
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Best Local Sim:
Matches 20;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human; inhibitor-kappa B-R; I-kappaBR; ikappab r; antisense; immune response; tumour; prophylaxis; phosphorothioate;
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      New antisense oligonucleotides targeted to nucleic acids encoding inhibitor-kappa B-R, useful for diagnosing or treating diseases
                                                                                                                                                                                                                                                                                                                                                                    05-NOV-2002; 2002WO-US035597
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ilarity 100.0%;
Conservative
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/mod_base= OTHER
/note= "2'-methoxyethyl /
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/note= "Phosphorothioate backbone; All cytidine residues
are 5-methylcytidines"
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== "2'-methoxyethyl
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Pred. No.
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infection;
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7.3;
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ID ARL615
XX ARL615
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XX 122-SEP
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Matches
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Best Local
                                                                                                                                                               molecule encoding human inhibitor-kappa B-R (also known as I-kappaBR, ITKBR, I-kappa-B-related, ikappabr, nuclear factor of kappa light polypeptides gene enhancer in B-cells inhibitor-like 2 and NFKBHL2) to inhibit its expression. Antisense compounds of the invention are useful for treating diseases or conditions associated with the expression of inhibitor-kappa B-R such as a heightened immune response involving increased cytokine expression, or a result of infection (e.g. bacterial, viral or parasitic). They are useful for diagnostics, therapeutics, prophylaxis e.g. to prevent or delay infection, inflammation or tumour formation, as research reagents and kits and indistinguishing between functions of various members of a biological pathway. They are also useful in antisense therapy. The present sequence is an oligonucleotide targetted to human inhibitor-kappa B-R DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                associated with expression of inhibitor-kappa B-R, e.g., immune response or infection.
                                                                                                                 Sequence
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. Similarity
20; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Page 75; 108pp;
                                                                                                              BP; 1 A;
Conservative 0;
                                                                                                                 9 C; 5 G; 5 T; 0 U; 0 Other;
                                                          0.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         English.
                        Score 20;
Pred. No.
   Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      compounds targetted to a nucleic acid kappa B-R (also known as I-kappaBR,
                           DB 1;
   0
                                                       Length 20;
      Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              a heightened
   ٥,
   Gaps
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Human; inhibitor-kappa B-R; I-kappaBR; IKBR; I-kappa-B-related; NFKBIL2; ikappab r_i antisense; immune response; infection; inflammation; therapy; tumour; prophylaxis; phosphorothicate; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                               Human inhibitor-kappa B-R antisense oligonucleotide,
                                                                                                                                                              modified_base
                                                                                                                                                                                                                                                         modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAL61557;
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WO2003042360-A2
                                                                                     modified_base
                                                                                                                                                                                                                                                                                                                                  Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           standard; DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GGAGGAGGCCAAGACCTGGC 1551
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GGAGGAGGCCAAGACCTGGC
                                                                                                                                                                                 /note= "phosphorothioate backbone; All cytidine residues
are 5-methylcytidines"
                                                                                                                                                                                                                                                                            Location/Qualifiers
                                                       /*tag≃ c
/mod_base= OTHER
                                                                                          16. .20
                                                                                                          /note=
                                                                                                                                mod
                                   note= "2'-methoxyethyl
                                                                                                                                              *tag=
                                                                                                                                                                                                                         mod_base= OTHER
                                                                                                                            _base= OTHER
                                                                                                            "2' -methoxyethyl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ₽P
                                     (2'-MOE) nucleotides'
                                                                                                            (2'-MOE)
                                                                                                              nucleotides'
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RESULT 43
AAL61573/c
ID AAL615
XX AAL615
XX AAL615
XX AAL615
XX AAL615
XX Human;
XX Human;
XX Itagpa
XX It
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Best Local Similarity
Matches 20; Conserv
                                                                                                                                                                                                                          modified_base
                                                                                                                                                                                                                                                                                                                                    modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human; inhibitor-kappa B-R; I-kappaBR; IKBR; I-kappa-B-related; NFKBIL2; ikappab r; antisense; immune response; infection; inflammation; therapy; tumour; prophylaxis; phosphorothicate; ss.
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                                   22-MAY-2003
                                                                                     WC2003042360-A2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human inhibitor-kappa B-R antisense oligonucleotide, ISIS #130498
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                                                                                                                                                                                                                                                                                                                                                                 are
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/mod_ba
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/mod_ba
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                                                                                                                                                                                                                                                                                                                                                              /mod_base= OTHER
/note= "Phosphorothioate backbone; All cytidine residues
are 5-methylcytidines"
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                                                                                                                                                                                                                                                    note=
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e= "2'.
                                                                                                                                                                                                                          _base= OTHER
e= "2'-methoxyethyl (2'-MOE) nucleotides"
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                                                                                                                                          -methoxyethyl
                                                                                                                                                                       OTHER
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Pred. No.
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                                                                                                                                             (2'-MOE)
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                                                                                                                                          nucleotides
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RASSILT 44
AAL61568/c
ID AAL615
XX AAL615
XX 22-SEP
XX Human;
XW Human;
XW Human;
XW tumour
XX Homo s
OS Homo s
OS Synthe
XX Homolfi
FT modifi
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local
                          modified_base
                                                                                                                                                                                                    Synthetic.
                                                                                                                                                                                                                                                                                                     Human inhibitor-kappa B-R antisense oligonucleotide,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 3; Page 75; 108pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         inhibitor-kappa B-R, useful for associated with expression of immune response or infection.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New antisense oligonucleotides targeted to nucleic acids encoding inhibitor-kappa B-R, useful for diagnosing or treating diseases associated with expression of inhibitor-kappa B-R, e.g., a height
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Monia
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 05-NOV-2002; 2002WO-US035597
                                                                                    modified_base
                                                                                                                                                         modified_base
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                                                                                                                                                                                                                                                                                                                                                                                          AAL61568 standard; DNA; 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 20 BP; 4 A; 8 C; 2 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (ISIS-) ISIS PHARM INC
                                                                                                                                                                                                                                                          kappab
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1494 TATGAGGAGGAACTGAGGCT 1513
                                                                                                                                                                                                                 sapiens
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b r; antisense; immune response; infect
; prophylaxis; phosphorothioate; ss.
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                                                                                                                                                                                                                                                                                                                                 (first entry)
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                           /note=
16. .20
                                                                                                   are
                                                                                                                                                                       Location/Qualifiers
               /*tag=
                                                                     /*tag=
 'mod_base='OTHEF
                              . 20
                                                                                                   :e= "Phosphorothicate
5-methylcytidines"
                                           _base= OTHER
e= "2'-methoxyethyl
                                                                                                                              base= OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%;
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                a
                                                                                                                                                                                                                                                                                                                                                                                          ВP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0
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Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Mismatches
                                                                                                                                                                                                                                            IKBR; I-kappa-B-related;
infection; inflammation;
ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 1;
7.3;
                                            (2'-MOE)
                                                                                                                   backbone;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0
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                                            nucleotides"
                                                                                                                   A11
                                                                                                                                                                                                                                                                                                       ISIS #130493.
                                                                                                                   cytidine residues
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RESULT 45
AAL61538/
ID AAL6
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Best Local Similarity
Matches 20; Conserv
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                                                                                                                                                                  Human; inhibitor-kappa B-R; I-kappaBR; IKBR; I-kappa-B-related; NFKBIL2; ikappab r; antisense; immune response; infection; inflammation; therapy; tumour; prophylaxis; phosphorothicate; ss.
                                                                                                                                                                                                                                Human inhibitor-kappa B-R antisense oligonucleotide, ISIS #130463.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Monia
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modified_base
                                                                                                                        Synthetic.
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                                                                                                                                                                                                                                                                (first entry)
/*tag= a
/mod_base= OTHER
/note= "Phosphorothioate backbone; All cytidine residues
are 5-methylcytidines"
1. .5
                                                                                         Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0.8%; Score 20;
100.0%; Pred. No.
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7.3;
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AAL61541 s

XX AAL61541;

XC AAL61541;

XC AAL61541;

XX 22-SEP-200

XX 22-SEP-200

XX Human inhi

XX Human; inh

XX Synthetic.

XX EH Homo sapie

OS Synthetic.

XX Key
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Best Local :
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                               Homo sapiens
Synthetic.
                                                                                                           Human; inhibitor-kappa B-R; I-kappaBR;
                                                                                                                                       Human inhibitor-kappa B-R antisense oligonucleotide,
                                                                                                                                                                        22-SEP-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 20 BP; 3 A; 7 C; 4 G; 6 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                            840
                                                                                                                                                                                                                                                                                                                                                                         20;
                                                                           r; antisense;
prophylaxis; ]
                                                                                                                                                                                                                                                                                                                                                                                          Similarity
                                                                                                                                                                                                                                     standard;
                                                                                                                                                                                                                                                                                                                                            CTGAATGAGATGAGGACCCG
                                                                                                                                                                                                                                                                                                               CTGAATGAGATGAGGACCCG 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Watt AT;
                                                                                                                                                                                                                                                                                                                                                                           Conservative
                                                                                                                                                                      (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /note= "
16. .20
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e= "2'-methoxyethyl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            _base= OTHER
e= "2'.methoxyethyl
                                                                                                                                                                                                                                                                                                                                                                                      0.8%;
                                                                             ; immune response;
phosphorothioate;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ά
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                                                                                                                                                                                                                                     ВP
                                                                                                                                                                                                                                                                                                                                                                           <u>,</u>
                                                                                                                                                                                                                                                                                                                                                                                        Score 20;
Pred. No.
                                                                                                                                                                                                                                                                                                                                             859
                                                                                                                                                                                                                                                                                                                                                                           Mismatches
                                                                                              IKBR; I-ka;
infection;
                                                                                                                                                                                                                                                                                                                                                                                          DB 1; Length 20; 7.3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (2'-MOE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (2'-MOE)
                                                                                                           I-kappa_B-related; NFKBIL2;
                                                                                                                                                                                                                                                                                                                                                                           0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  nucleotides'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             nucleotides"
                                                                                                                                                                                                                                                                                                                                                                             Indels
                                                                                                 inflammation; therapy;
                                                                                                                                            ISIS #130466.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     diseases
., a heightened
                                                                                                                                                                                                                                                                                                                                                                             0
                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          acid
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Location/Qualifiers

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RESULT 47
AAL61572/c
ID AAL61
XX
AC AAL61
XZ
AC AAL61
XX
C
DT 22-SE
XX
XX
Human
XX
Human
XW
Human
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                                                                                                                                                                                                                                                                              Matches
                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                               The invention relates to antisense compounds targetted to a nucleic acid molecule encoding human inhibitor-kappa B-R (also known as I-kappaBR, IKBR, I-kappa-B-related, ikappab r, nuclear factor of kappa Iight polypepides gene enhancer in B-cells inhibitor-like 2 and NFKBIL2) to inhibit its expression. Antisense compounds of the invention are useful for treating diseases or conditions associated with the expression of inhibitor-kappa B-R such as a heightened immune response involving increased cytokine expression, or a result of infection (e.g. bacterial, viral or parasitio). They are useful for diagnostics, therapeutics, prophylaxis e.g. to prevent or delay infection, inflammation or tumour formation, as research reagents and kits and in distinguishing between functions of various members of a biological pathway. They are also useful in antisense therapy. The present sequence is an oligonucleotide targetted to human inhibitor-kappa B-R DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New antisense oligonucleotides targeted to nucleic acids encoding inhibitor-kappa B-R, useful for diagnosing or treating diseases associated with expression of inhibitor-kappa B-R, e.g., a heightened
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        modified_base
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   05-NOV-2002; 2002WO-US035597
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WO2003042360-A2
 Human; inhibitor-kappa
ikappab r; antisense; ;
                                             Human inhibitor-kappa B-R antisense oligonucleotide, ISIS #130497
                                                                              22-SEP-2003
                                                                                                           AAL61572;
                                                                                                                                        AAL61572 standard; DNA; 20
                                                                                                                                                                                                                                                                                                                                       Sequence 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Example 15; Page 74; 108pp; English.
                                                                                                                                                                                                                                               940 тссттесеейесйейиссяс 959
                                                                                                                                                                                                                  20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  response or infection.
                                                                                                                                                                                                                                                                              20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ISIS PHARM INC
                                                                                                                                                                                                                  TCCTTGCGGAGCAGAACCAC 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Watt AT;
                                                                                                                                                                                                                                                                                                                                         BP;
                                                                                                                                                                                                                                                                           0.8%; So lilarity 100.0%; I Conservative 0;
                                                                            (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /*ttag= b
/mod_base= OTHER
/mot.e= "2'-methoxyethyl (
                                                                                                                                                                                                                                                                                                                                         w
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16. .20
/*tag=
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/mod_base= OTHER
/mod_base= OTHER
/note= "Phosphorothioate backbone; All cytidine residues
/note= "enchylcytidines"
                                                                                                                                                                                                                                                                                                                                         ?
                                                                                                                                                                                                                                                                                                                                         5 C; 7 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            _base= OTHER
e= "2'-methoxyethyl (2'-MOE) nucleotides"
 1 B-R; I-kappaBR; IKBR; I-kappa-B-related; NFKBIL2;
immune response; infection; inflammation; therapy;
                                                                                                                                          뫄
                                                                                                                                                                                                                                                                                           Score 20; pred. No.
                                                                                                                                                                                                                                                                              Mismatches
                                                                                                                                                                                                                                                                                           DB 1
7.3;
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                                                                                                                                                                                                                                                                                                          1
                                                                                                                                                                                                                                                                              0
                                                                                                                                                                                                                                                                                                          Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          nucleotides
                                                                                                                                                                                                                                                                                Indels
                                                                                                                                                                                                                                                                              0
                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                0;
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RESULT 48
AAL61583/c
ID AAL6151
XX
AC AAL615

AAL61583 standard;

DNA; 20

0

AAL61583

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                                                                                                                                                         The invention relates to antisense compounds targetted to a nucleic acid comblecule encoding human inhibitor-kappa B-R (also known as I-kappaBR, CC IKER, I-kappa-B-related, ikappab r, nuclear factor of kappa light collypeptides gene enhancer in B-cells inhibitor-like 2 and NFKBIL2) to combine the expression. Antisense compounds of the invention are useful for treating diseases or conditions associated with the expression of cc inhibitor-kappa B-R such as a heightened immune response involving compounds of the expression of cc increased cytokine expression, or a result of infection (e.g. bacterial, colline expression) or a result of infection (e.g. bacterial, colling and colling expression) or a result of infection of the expression of colling expression or delay infection, inflammation or tumour companies e.g. to prevent or delay infection, inflammation or tumour companies e.g. to prevent or delay infection, inflammation or tumour companies e.g. to prevent or delay infection, inflammation or tumour companies e.g. to prevent or delay infection. They are also cuseful in antisense therapy. The present sequence is an oligonucleotide targetted to human inhibitor-kappa B-R DNA
                                                              Query Match
Best Local Sim
Matches 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                   New antisense oligonucleotides targeted to nucleic acids encoding inhibitor-kappa B-R, useful for diagnosing or treating diseases associated with expression of inhibitor-kappa B-R, e.g., a heightened immune response or infection.
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modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Homo sapiens
Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2003-468635/44.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Monia BP,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        05-NOV-2002;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WO2003042360-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             tumour; prophylaxis; phosphorothicate; ss
                                                                                                                            Sequence 20
                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 3; Page 75; 108pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (ISIS-) ISIS PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     13-NOV-2001; 2001US-00993731.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           modified_base
                              1488 CGCCACTATGAGGAGGAACT 1507
                                                                              Similarity
                                                              0.8%; Score 20; DB llarity 100.0%; Pred. No. 7. Conservative 0; Mismatches
                                                                                                                                BP; 3 A; 6 C; 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2002WO-US035597
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /note= "Phosphorothicate
are 5-methylcytidines"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /mod_base= OTHER
/note= "2'-methoxyethyl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             mod_base=
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== "2'-methoxyethyl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               OTHER
                                                                                                                                G; 6 T; 0 U; 0 Other;
                                                                              DB 1;
7.3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (2'-MOE) nucleotides
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (2,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             backbone; All cytidine residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            -MOE)
                                                                   0
                                                                                                Length 20;
                                                                   0
                                                                   Gaps
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22-SEP-2003

(first entry

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                     8
                                                      Query Match
Best Local S
Matches 20
                                                                                                                               The invention relates to antisense compounds targetted to a nucleic acid molecule encoding human inhibitor-kappa B-R (also known as I-kappaBR, IKBR, I-kappa-B-related, ikappab r, nuclear factor of kappa light polypeprides gene enhancer in B-cells inhibitor-like 2 and NPKBIL2) to inhibit its expression. Antisense compounds of the invention are useful for treating diseases or conditions associated with the expression of increased cytokine expression, or a result of infection (e.g. bacterial, viral or parasitio). They are useful for diagnostics, therapeutics, prophylaxis e.g. to prevent or delay infection, inflammation or tumour formation, as research reagents and kits and in distinguishing between functions of various members of a biological pathway. They are also useful in antisense therapy. The present sequence is an oligonucleotide targetted to human inhibitor-kappa B-R DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Key
modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Homo
                                                                                                                                                                                                                                                                                                                                                                   New antisense oligonucleotides targeted to nucleic acids encoding inhibitor-kappa B-R, useful for diagnosing or treating diseases associated with expression of inhibitor-kappa B-R, e.g., a height immune response or infection.
                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2003-468635/44.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    05-NOV-2002;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           modified_base
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    tumour;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human inhibitor-kappa B-R antisense oligonucleotide,
                                                                                                          Sequence 20
                                                                                                                                                                                                                                                                                                                                            Claim 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        13-NOV-2001; 2001US-00993731
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WO2003042360-A2
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 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               inhibitor-kappa B-R; I-kappaBR; IKB
r; antisense; immune response; inf
prophylaxis; phosphorothioate; ss.
                                                                   Similarity
                 CTCCATACCGTGCAGCTGAG 1699
                                                                                                                                                                                                                                                                                                                                          Page 75; 108pp; English.
  CTCCATACCGTGCAGCTGAG 1
                                                                                                          BP; 4 A; 5 C; 7 G; 4 T; 0 U; 0 Other;
                                                      Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2002WO-US035597.
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1. .20
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16. .20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /mod_base= OTHER
/note= "Phosphorothioate backbone; All cytidine residues
are 5-methylcytidines"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /*tag= b
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                                                0.8%; Er
100.0%; Er
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e= "2'-methoxyethyl
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                                                                 Score 20;
Pred. No.
                                                       Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                IKBR; I-kap
infection;
                                                                 DB 1; Length 20; 7.3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (2'-MOE) nucleotides'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (2'-MOE)
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tion; inflammation; therapy;
                                                       0
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                                                         Indels
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                                                                                                                                                                                                                                                                                                                                                                                     heightened
                                                      0
                                                       Gaps
                                                                                                                                                                                                                                                                                                                 acid
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The invention relates to antisense compounds targetted to a nucleic acid molecule encoding human inhibitor-kappa B-R (also known as I-kappaBR, IKBR, I-kappa-B-related, ikappab r, nuclear factor of kappa 15th polypeptides gene enhancer in B-cells inhibitor-ike 2 and NFKBIL2) to inhibit its expression. Antisense compounds of the invention are useful for treating diseases or conditions associated with the expression of inhibitor-kappa B-R such as a heightened immune response involving increased cytokine expression, or a result of infection (e.g. bacterial, viral or parasitic). They are useful for diagnostics, therapeutics, prophylaxis e.g. to prevent or delay infection, inflammation or tumour formation, as research reagents and kits and in distinguishing between functions of various members of a biological pathway. They are also useful in antisense therapy. The present sequence is an oligonucleotide targetted to human inhibitor-kappa B-R DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human; inhibitor-kappa B-R; I-kappaBR; IKB ikappab r; antisense; immune response; inf tumour; prophylaxis; phosphorothicate; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                13-NOV-2001; 2001US-00993731.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              05-NOV-2002; 2002WO-US035597
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human inhibitor-kappa B-R antisense oligonucleotide, ISIS
                                                                                                                                                                                                                                                               Example 15; Page 74; 108pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                     (ISIS-) ISIS PHARM INC.
                                                                                                                                                                                                                                                                                                         antisense oligonucleotides targeted to nucleic acids encoding ibitor-kappa B-R, useful for diagnosing or treating diseases ociated with expression of inhibitor-kappa B-R, e.g., a heightened
                                                                                                                                                                                                                                                                                                                                                                        2003-468635/44.
                                                                                                                                                                                                                                                                                              response or infection.
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/mod_base= 0
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/mod_ba
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /*rag= c
/mod_base= OTHER
/note= "2'-methoxyethyl (2'-MOE) nuclectides!
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     16. .20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /note= "Phosphorothioate backbone; All cytidine residues are 5-methylcytidines"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  note=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             base= OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "2'-methoxyethyl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               IXBR; I-kappa-B-related; NFKBIL2;
infection; inflammation; therapy;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (2'-MOE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     nuclectides"
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Best Local Matches Query Match

l Similarity 20; Conser

0.8%; (larity 100.0%; Conservative

0

Mismatches

0

Indels

٥,

Gaps

0,

Score 20; Pred. No.

DB 1; 7.3;

Length 20;

A,

4 C; 6

G; 4 T; 0 U; 0 Other;

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RESULT 50
ALL61586/c
ID ALL615
AC AAL615
XX AAL615
XX AAL615
XX AAL615
XX AAL615
XX Human;
XW Human;
XW Human;
XW Lumour
XX Composition
FT modifi

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The invention relates to antisense compounds targetted to a nucleic acid molecule encoding human inhibitor-kappa B-R (also known as I-kappaBR, IKBR, I-kappa-B-related, ikappab r, nuclear factor of kappa light polypeptides gene enhancer in B-cells inhibitor-like 2 and NFKBIL2) to inhibit its expression. Antisense compounds of the invention are useful for treating diseases or conditions associated with the expression of inhibitor-kappa B-R such as a heightened immune response involving increased cytokine expression, or a result of infection (e.g. bacterial, viral or parasitic). They are useful for diagnostics, therapeutics, prophylaxis e.g. to prevent or delay infection, inflammation or tumour formation, as research reagents and kits and in distinguishing between functions of various members of a biological pathway. They are also useful in antisense therapy. The present sequence is an oligonucleotide targetted to human inhibitor-kappa B-R DNA
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b r; antisense; immune response; infection; inflammation; therapy;
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/note= "2'-methoxyethyl
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      . 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     base= OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "2' -methoxyethyl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0
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; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  IKBR; I-kappa-B-related; NFKBIL2;
infection; inflammation; therapy;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 1;
7.3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (2'-MOE) nucleotides
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (2'-MOE) nucleotides"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indels
                                                                                                                                                      heightened
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The invention relates to antisense compounds targetted to a nucleic acid molecule encoding human inhibitor-kappa B-R (also known as I-kappaBR,

heightened

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RESULT 53
AAL61569/c
ID AAL615
XX AAL615
XX AAL615
XX AAL615
XX Human
DT 22-SEP
XX Human;
XW Likappa;
YT modifi
FT mod
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Matches
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Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         IKBR, I-kappa-B-related, ikappab r, nuclear factor of kappa light polypoptides gene enhancer in B-cells inhibitor-like 2 and NFKBIL2) to inhibit its expression. Antisense compounds of the invention are useful for treating diseases or conditions associated with the expression of inhibitor-kappa B-R such as a heightened immune response involving increased cytokine expression, or a result of infection (e.g. bacterial, viral or parasitic). They are useful for diagnostics, therapeutics, prophylaxis e.g. to prevent or delay infection, inflammation or tumour formation, as research reagents and kits and in distinguishing between functions of various members of a biological pathway. They are also useful in antisense therapy. The present sequence is an oligonucleotide targetted to human inhibitor-kappa B-R DNA
  New antisense oligonucleotides targeted to nucleic acids encoding inhibitor-kappa B-R, useful for diagnosing or treating diseases associated with expression of inhibitor-kappa B-R, e.g., a height
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     tumour; prophylaxis; phosphorothicate;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human; inhibitor-kappa B-R; I-kappaBR; IKBR; I-kappa-B-related; NFKBIL2; ikappab r; antisense; immune response; infection; inflammation; therapy;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human inhibitor-kappa B-R antisense oligonucleotide,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              22-SEP-2003
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAL61569 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 20
                                                                                                                                                              Monia BP,
                                                                                                                                                                                                                                                                13-NOV-2001; 2001US-00993731
                                                                                                                                                                                                                                                                                                                  05-NOV-2002; 2002WO-US035597.
                                                                                                                                                                                                                                                                                                                                                                                                                         WO2003042360-A2
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                                                                                                         2003-468635/44.
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                                                                                                                                                                                                                 SISI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Similarity
                                                                                                                                                              Watt AT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               BP; 3 A; 6 C; 6 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Conservative
                                                                                                                                                                                                                 PHARM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (first
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       are
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/mod_ba
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/mod_base= OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /mod_base= OTHER
/note= "2'.-metho
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             6. .20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         _base= OTHER
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "2'-methoxyethyl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "2' -methoxyethyl
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; Pred. No.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           88
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 1;
7.3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (2'-MOE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (2'-MOE) nucleotides"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   backbone; All cytidine residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Indels
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RESULT 54
AAL61579/c
ID AAL615
XX AAL615
XX AAL615
XX Human
XX Human;
KW Human;
KW ikappa
KW tumour
XX Homo s
OS Synthe
XX Homo s
FT modifi
FT modifi
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FT woll fi
FT modifi
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Best Local (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Matches 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The invention relates to antisense compounds targetted to a nucleic acid molecule encoding human inhibitor-kappa B-R (also known as I-kappaBR, IKBR, I-kappa B-related, ikappab I, nuclear factor of kappa light polypeptides gene enhancer in B-cells inhibitor-like 2 and NFKBIL2) to inhibit its expression: Antisense compounds of the invention are useful for treating diseases or conditions associated with the expression of inhibitor-kappa B-R such as a heightened immune response involving increased cytokine expression, or a result of infection (e.g. bacterial, viral or parasitic). They are useful for diagnostics, therapeutics, prophylaxis e.g. to prevent or delay infection, inflammation or tumour formation, as research reagents and kits and in distinguishing between functions of various members of a biological pathway. They are also useful in antisense therapy. The present sequence is an oligonuclectide targetted to human inhibitor-kappa B-R DNA
     Monia BP,
                                                                                                               05-NOV-2002; 2002WO-US035597
                                                                                                                                                                                         WO2003042360-A2
                                                                                                                                                                                                                                                                                                                                                            modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                     modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Synthetic
                                       (ISIS-) ISIS PHARM INC
                                                                           13-NOV-2001;
                                                                                                                                                                                                                                                                                modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   tumour; prophylaxis; phosphorothicate; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAL61579;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 20 BP; 4 A; 7 C; 6 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ikappab
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1414 GTGCTGAGCGGGCCATCATC 1433
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         inhibitor-kappa B-R antisense oligonucleotide, ISIS #130504.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       inhibitor-kappa B-R; I-kappaBR;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Similarity
   Watt
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                                                                             2001US-00993731
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (first entry)
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                                                                                                                                                                                                                                                            /*tag=
                                                                                                                                                                                                                                                                                                                                                                            are
                                                                                                                                                                                                                                                                                /mod_base= OTHER
/note= "2'-methoxyethyl
16. .20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                          /mod_base= OTHER
/note= "Phosphorothioate backbone; All cytidine residues
are 5-methylcytidines"
                                                                                                                                                                                                                                                                                                                                      *tag=
                                                                                                                                                                                                                        base OTHER
= "2'-methoxyethyl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       immune response;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 20;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   IKBR; I-kappa-B-related; NFKBIL2;
infection; inflammation; therapy;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DB 1;
7.3;
                                                                                                                                                                                                                            (2'-MOE)
                                                                                                                                                                                                                                                                                                    (2'-MOE)
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New antisense oligonucleotides targeted to nucleic acids encoding inhibitor-kappa B-R, useful for diagnosing or treating diseases associated with expression of inhibitor-kappa B-R, e.g., a heightened immune response or infection.
                                                                                                                                                  Claim 3; Page 75; 108pp; English
                                                                                                                                                                                                                WPI; 2003-468635/44.
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The invention relates to antisense compounds targetted to a nucleic acid composed by the control of the control Sequence 20 BP; 3 A; 7 C; 6 G; 4 T; 0 U; 0 Other; acid

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AAH62253
ID AAHH
XX
AC AAHH
XX Sing
XX Sing
XX Sing
XX Home
XX
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Matches
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WO200138576-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Variation
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Single nucleotide polymorphism; SNP; human; cancer; inflammation; heart disease; paternity testing; forensic science; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NF-kappa-B inhibitor polymorphism containing DNA fragment #154.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAH62253 standard; DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1652 CCAGCTGCAGAGGCAGGTCT 1671
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             20 CCAGCTGCAGAGGCAGGTCT 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0.8%; Solarity 100.0%; I Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Location/Qualifiers replace(11,T) /*tag= a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /standard_name= "single nucleotide polymorphism"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ВP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 20; DB
Pred. No. 7.3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         .
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
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New nucleic acid segments of the human genome, particularly from genes including polymorphic sites, for phenotype correlation, forensics, paternity testing, medicine and genetic analysis.

WPI; Cargill M,

2001-367705/38

24-NOV-1999;

99US-0167334P

(WHED )

WHITEHEAD INST

BIOMEDICAL RES

Ireland

JS,

Lander ES;

17-NOV-2000; 2000WO-US031639

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RESULT 56
AAT1992AF
AAT1992AF
AAT199
AC AAT199
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Best Local S
Matches 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         contain single nucleotide polymorphisms (SNPs). A method is included in the invention for analysing a nucleic acid sample, which consists of determining the base occupying any one of the polymorphic sites given in the SNP containing sequences. The nucleotide sequences can be used in the diagnosis or monitoring of diseases, such as cancer, inflammation, heart diseases, diseases of the cardiovascular system, and infection by microovganisms. The oligonucleotides are also useful in the manufacture of a medicament for the treatment or prophylaxis of the diseases, and as a pharmaceutical. SNP containing oligonucleotides are useful in applications such as phenotype correlation, forensics, paternity testing, medicine and genetic analysis
                                                                        This oligonucleotide represents a dimer sequence of the upTAR element and was used as a competitor oligonucleotide in a gel shift assay for the binding of PUR protein to DNA. The PUR sequence can be used to identify chemical or biological compounds that bind to PUR or binding fragments of PUR. Inhibitors of PUR activity may be used to treat hyperproliferative
                                                                                                                                                                                                                                           Example; Col 39; 64pp; English.
                                                                                                                                                                                                                                                                                                Assays for PUR protein ligands or modulators - using immobilised PUR protein or fragments, to treat hyper-proliferative diseases, e.g. can
                                                                                                                                                                                                                                                                                                                                                                                 WPI; 1997-488859/45.
                                                                                                                                                                                                                                                                                                                                                                                                                                        Bergemann
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       06-JUN-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        28-AUG-1992;
02-FEB-1993;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                07-JUN-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    30-SEP-1997.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           cancer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PUR element;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (MOUN ) MOUNT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US5672479-A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          upTAR element
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 15-APR-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAT99287
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAT99287 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Claim 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1624
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           probe;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TCAGCTGTGCTCAGCAGGCCC 1644
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Page 42;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TCAGCTGTGCCCAGCAGGCCC
                                                                                                                                                                                                                                                                                                                                                                                                                                        ₽
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 BP; 3 A; 9 C; 6 G; 3 T; 0 U; 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        human; c-myc; inhibitor; hyperproliferative disease; ss; e; hybridisation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (first
                                                          98
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SINAI SCHOOL MEDICINE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       dimer oligonucleotide for binding human PUR-alpha
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 92US-00938189.
93US-00014943.
95US-00470911.
                                                                                                                                                                                                                                                                                                                                                                                                                                        Johnson
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             95US-00486421
                                                          cancer
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                95.2%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ВP
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Pred. No. 11;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Other;
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                                                                                                                                                                                                                                                                                                     cancer
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Sequence

24

BP; 4 A;

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16

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0 Other;

PUR element;

PUR-alpha; hyperproliferative disease;

human;

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RESULT 57
AAV31744
ID AAV31744
ID AAV31744
AC AAV31
AC AA
AAX04092
ID AAXX
XX
AC AAXX
AC AAXX
OT 12-J
XX
DT 12-J
XX
DE upTJ
XX
KW PUR
                                                                                                                                                                                                                                                                                                  맑
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                                                                                                                                                                                                                             RESULT 58
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Best Local S
Matches 21
                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local (
                                                                                                                                                                                                                                                                                                                                                                                        Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          This is the nucleotide sequence of a purine-rich oligonucleotide used a competitor with the PUR element in the method of the invention, involving the use of the PUR protein and its fragments, which inhibit protein banding to PUR element or other proteins. Inhibitors of PUR activity may be useful for treating viral infections and hyperproliferative diseases such as cancer
                                            upTAR element oligonucleotide purine-rich probe.
                                                                                        12-APR-1999
                                                                                                                                                                                 AAX04092 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 24 BP; 4 A; 4 C; 16 G; 0 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Example 7.1.1; Col 33; 63pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PUR protein and its fragments - that inhibit PUR protein binding
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 1998-321632/28.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                28-AUG-1992;
02-FEB-1993;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     06-JUN-1995;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PUR-alpha gene; inhibition; hyperproliferative disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Nucleotide sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            24-SEP-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAV31744;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAV31744 standard; DNA; 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               26-MAY-1998
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                                                                                                                                                                                                                                                                                                                                              1772 GGAGGAGGAGGCGGAGGAGGCGGC 1795
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1772 GGAGGAGGAGGCGAGGAGGCGGC 1795
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                                                                                                                                                                                                                                                                                                                                                                                          21;
                                                                                                                                                                                                                                                                                                                                                                                                                   Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         or other proteins.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GGAGGCGGAGGCGGAGGC 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ΑĐ,
                                                                                                                                                                                                                                                                                                                                                                                          Conservative
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                                                                                      (first
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (first
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Johnson
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                92US-00938189.
93US-00014943.
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                                                                                                                                                                                   DNA;
                                                                                                                                                                                                                                                                                                                                                                                                              0.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           of a purine-rich oligonucleotide
                                                                                      entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          entry)
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ss.
                                                                                                                                                                                                                                                                                                                                                                                          0
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Pred. No. 18;
0; Mismatches
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Pred. No. 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    inhibit
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02-FEB-1993;
06-JUN-1995;
                                                                                                                                                                                                        antigen presenting cell activation; natural killer cell; septic shock; cytotoxic T-lymphocyte; inflammation; autoimmune disease; rheumatoid arthritis; Crohn's disease; sarcoidosis; multiple sclerosis; Kawasaki syndrome; graft-versus-host disease; transplant rejection; Kawasaki syndrome; praft-versus-host disease; transplant rejection; helper T cell response 1-mediated disease; Lyme arthritis; Streptococcal induced arthritis; chronic inflammatory bowel disease; psoriasis vulgaris; experimental allergic encephalomyelitis; insulin-dependent disbetes mellitus; bacterial infection;
                                                                                                                                                                                                                                                                                                                                                                      G-motif oligonucleotide; vaccine; Toxoplasmosis; viral infection; antigen presenting cell activation; natural killer cell; septic s cytotoxic T-lymphocyte; inflammation; autoimmune disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Synthetic.
Homo sapie
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Nucleotide sequence of non-G-motif oligonucleotide Pur-alpha-Ori.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               binds to an epitope of the PUR protein. Antibodies that bind to the PUR protein and neutralise PUR activity may be used to treat hyperproliferative diseases such as cancer. PUR antibodies may be used diagnostically to detect aberrant expression of the PUR protein and/or mutations in the PUR gene. The present sequence represents an upTAR element oligonucleotide purine-rich probe, which is used in an example
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    12-JUL-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAZ99647
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                               16-MAR-2000
                                                                                                                                                                                    insulin-dependent dia
parasitic infection;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The present invention describes a monoclonal antibody that
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Example;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 1999-152881/13
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93US-00014943.
95US-00470911.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    entry)
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Pred. No. 1
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                                                                                                                                                                                          tumour; ss
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CC invention. The specification describes compositions comprising G-motif CC oligonuclectides. The G-motif oligonuclectides inhibit activation of antigen presenting cells by inhibiting the upstake of DNA by a cell, by Stimulating natural killer cells, or by co-stimulating cytotoxic T-cytophocytes. The G-motif oligonuclectides may be used for the productions of vaccines for treating septic shock, inflammation, autoimmune diseases (e.g. rheumatoid arthritis, Crohn's disease, sarcoidosis, multiple solerosis, Kawasaki syndrome, graft-versus-host disease and transplant rejection, helper T cell response 1-mediated disease (e.g. treptococcal induced arthritis, Lyme arthritis, chronic inflammatory bowel disease, psoriasis vulgaris, experimental allergic encephalomyelitis, and insulin-dependent diabetes mellitus), bacterial confections (e.g. Cytomegalovirus and human immunodeficiency virus (HHV)-infections), spontaneous abortions and tumours. They may also be used for induce proliferation of hone marrow cells, especially macrophage
                                                        used to induce proliferation of bone marrow cells, especially macrophage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          septic shock, rhe virus infections.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Compositions comprising G-motif oligonucleotides useful for treating e.g. septic shock, rheumatoid arthritis, diabetes and human immunodeficiency
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    03-SEP-1999;
Sequence 24 BP; 4 A;
                                                                                                                                                                                                                                                                                                                                                                                                           The present
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Example 14; Page 32;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (CPGI-) CPG IMMUNOPHARMACEUTICALS GMBH.
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                                                                                                                                                                                                                                                                                                                                                                                                           sequence represents a non-G-motif oligonucleotide
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4 C; 16 G; 0 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                 75pp; English
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Matches Query Match AAQ55605 standard; DNA; 1772 Н 21; Similarity GGAGGAGGAGGCGGAGGAGGCGGC 1795 GGAGGCGGAGGCGGAGGC 24 Conservative 0.8%; 20 뫉 .. Pred. Score 19.2; Mismatches No. 18; DB 1; Length 24; Indels 0 Gaps

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AAQ55605

AAQ55605

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AAQ5

AA 맑 RESULT 60 Synthetic. 14-JUL-1994 ₩L KC 09-AUG-1991; 09-AUG-1991; US5279952-A. Polymerase chain reaction; mutation; mutagenesis; alteration; deletion; AAQ55605; (TEXA ) 18-JAN-1994 insertion; flanking sequence primer for manipulation of VIND repetition; amplification; TEXAS SYSTEM (first entry) 91US-00743245 91US-00743245 cloned insert

WPI; 1994-034337/04

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ARBSULT 61
AATI1643/c
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AC OSteog
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                                                                                    The human and murine osteogenic protein-1 (OP-1) non-coding sequences car be used in the construction of expression vectors comprising a reporter gene which has the non-coding sequence lying contiguous to the reporter gene, the non-coding sequence being able to act on and affect expression of the reporter gene when bound to by candidate compounds. The method is used to identify compounds capable of modulating OP-1 expression. The vector may optionally comprise a second non-coding sequence and the non-coding sequence(s) used define at least one, preferably 1-6, WT1/EGR binding elements, at least one FTZ (Fushi-Tarazu) binding element or a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Osteogenic protein; OP-1; reporter gene; screening; identification; intron; non-coding sequence; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                              Isolation of compounds to modulate OP-1 expression - by monitoring expression changes in a cell transformed to express osteogenic protein-1 and having additional steroid binding site.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    07-JUN-1994;
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                                                                                                                                                                                                                                                                                                                                                                    Disclosure; Page 58; 77pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (CREA-) CREATIVE BIOMOLECULES
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19; Conserv
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binding element
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segment of
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              21
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Query Match

Sequence

21

BP;

0 A;

14 C; 0

ຄ

0 Other;

Score 18.4; 7 T; 0 U;

DB 1; Length 21;

Query Match
Best Local Similarity
Matches 19; Conserv

0.7%; larity 95.0%; Conservative

Score 18.4; In Pred. No. 18; O; Mismatches

<u>,,</u>

Indels

0

Gaps

0

밂 0 Other; 1;

Length 21;

0

Sequence 21

B₽;

0 A;

14 C; 0

G; 7 T; 0 U;

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RESULT 62
AAA599
XX
AAA599
XX
AAA599
XX
OSTEOG
PR
O1-NOV
PR
O2-NOV
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O2-NOV
PR
O2-NOV
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C
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                                                    the expression of osteogenic protein-1 (OP-1) uses a cell transfected the expression of osteogenic protein-1 (OP-1) uses a cell transfected with a nucleic acid sequence comprising a reporter gene and an upstream comon-coding sequence from OP-1 (OP-1) is a tissue morphogenic protein. The method is useful for screening compounds capable of stimulating or cinhibiting transcription and/or translation of the OP-1 gene, as well as compounds which may be used as therapeutics for in vivo and ex vivo compounds which may be used as therapeutics for in vivo and ex vivo correcting and alleviating a diseased condition or to regenerate lost or correcting and alleviating a diseased condition or to regenerate lost or che differentiated phenotype of cells in culture. Morphogen expression the degree and/or timing of morphogen concentration. Compounds which upcompate levels of circulating OP-1 in vivo can be used to modulate compate levels of circulating OP-1 in vivo can be used to correct bone metabolism diseases such as osteoporosis. This sequence represents the Compounds well-as of circulating OP-1 in vivo can be used to correct bone metabolism diseases such as osteoporosis. This sequence contained in the CC upstream region of the osteogenic proteins Wt-1 and Egr-1 bindit oand control transcription of DNA inding CC proteins Wt-1 and Egr-1 bind to and control transcription of DNA inding CC upstream region of the osteogenic protein-1 (OP-1) gene. The DNA binding CC upstream region of the osteogenic protein-1 (OP-1) gene. The DNA binding CC upstream region of the osteogenic protein-1 (OP-1) gene.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity
Matches 19; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     07-JUN-1994;
23-MAY-1995;
24-MAY-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAA59901 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Screening for compounds able to modulate osteogenic protein-1 (OP-1) expression by incubating a candidate compound with a nucleic acid wit reporter gene operatively associated with an OP-1 non-coding nucleic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   21-FEB-1992;
01-NOV-1993;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Osteogenic protein-1; OP-1; morphogenic protein; human; osteoporosis; morphogen concentration; bone metabolism disease; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human OP-1 Wt-1/Egr-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        16-OCT-2000
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2000-422077/36
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Disclosure;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1772 GGAGGAGGAGGCGAGGAGG 1791
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first
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95US-00449700.
95US-00449699.
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93US-00147023.
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0; Mismatches
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1772

GGAGGAGGAGGCGGAGGAGG

1791

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RESULT 63
ABK99278/c
ID ABK992
XX ABK992
XX ABK992
XX 21-OCT
XX Hepati
XX Hepati
XX WHepati
XX Synthe
XX O5-MAY
XX O5-MAY
XX (ZHON/
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PA (FERR/
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                                                                                                                                                                                                                                                                                                                                      The invention relates to a replicase complex comprising a hepatitis C CC virus (HCV) NS5B replicase protein, a linear nucleic acid template and a complementary nucleic acid primer which is annealed to the 3' terminus of CC the template, where the template is at least three nucleotides and the CC the template is two or three nucleotides, and the template and primer do not CC form a stable duplex in solution in the absence of the HCV NS5B protein. The complex is useful for detecting HCV replicase activity and permits can devaluate antiviral inhibitors and to improve the specificity and cefficacy of the inhibitors. The complex is also useful in the development CC of HCV NS5B-catalysed nucleotide incorporation and investigation of mechanistic inhibitors for mis-incorporation and investigation of Specifically, the short RNA template and primer pairs are useful in screening assays which are used for determining kinetic, thermodynamic and mechanistic properties of NS5B replication and ultimately in the CC development of inhibitors of NS5B. Newly identified inhibitors of replicase activity may be used for developing anti-HCV pharmaceuticals.
                                                                                                            Query Match
Best Local S
Matches 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Novel replicase complex comprising hepatitis C virus NS5B replicase, a 3 nucleotide-long template to which a 2 nucleotide-long primer is annealed and template and primer which do not form a stable duplex in the absence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          of HCV NSSB.
                                                                                                                                                                                                                                   Sequence 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    07-APR-2000; 2000US-0195852P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example; Page 6; 17pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Zhong W, Hong Z,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (ZHON/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           30-MAY-2002
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Hepatitis C virus (HCV) NS5B replicase RNA synthesis template
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    21-OCT-2002
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABK99278 standard; RNA; 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (FERR/)
21
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                                                                                                                l Similarity 95.0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FERRARI E.
                                                      GGAGGAGGAGGCGGAGGAGG 1791
                                                                                                                                                                                                                                                                                                                      ABK99271-ABK99296 represent HCV NS5B replicase RNA synthesis
                                                                                                                                                                                                                                   B₽;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    virus; HCV; NS5B replicase; ss; RNA polymerase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (first entry)
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                                                                                                            Score 18.4; D
Pred. No. 18;
0; Mismatches
                                                                                                                                                                                                                                G; 0 T; 7 U; 0 Other;
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                                                                                                                                                                      DB 1; Length 21;
                                                                                                                   Indels
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RESULT 65
AAZ21462/c
ID AAZ214
XX
AC AAZ214
XX

AAZ21462 standard; DNA; 20

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AAZ21462

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N

GGCTGAGGGCAGAGACTCTC

21

Best Loc Matches Query Match

Local

l Similarity 19; Conserv

0.7%; larity 95.0%; Conservative

0,

Mismatches

Score 18.4; Pred. No. 2:

DB 1; ۲.

Length 23; Indels

0

Gaps

0

Pred.

1274 GGCTGAGGGCAGAGACCCTC 1293

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RESULT 64
ANQIO 661
ID ANQIO
XX Human
XW Human
XW Allel
XX Synth
XX Synth
XX 27-FH
XX 27-FH
XX 27-FH
XX 27-FH
XX 27-FH
XX 21-JU
XX (GENN
PR 11-JU
XX (GENN
PT Ampl:
X
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     25-AUG-1989;
11-SEP-1989;
16-JAN-1990;
11-JUL-1990;
                                                              for an HLA locus, together with a second primer making up a locus-
specific primer (LSP) pair. The primers pref. define a DNA sequence that
contains all exons that encode allelic variability associated with the
HLA locus together with at least one of the adjacent intron sequences.
For Class II loci the variable exon is the second exon. The primers are
pref. located so that a substantial portion of the amplified sequence
corresponds to intron sequences. Direct deter- mination of the haplotype
is possible, providing useful information for identity of individuals for
e.g. paternity case and forensic investigations. See also AAQ10621-
Q10669. (Updated on 25-MAR-2003 to correct PA field.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human leukocyte antigen; major histocompatibility complex; MHC; restriction fragment length polymorphic analysis; RFLP; tissue typing; allele; PCR; ss.
      Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Detection of adjacent and non:adjacent locus, e.g. HLA alleles amplifying genomic DNA, for direct determination of haplotype.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 1991-059664/09
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAQ10661 standard; DNA; 23 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Claim 29;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    EP414469-A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              HLA Class II
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAQ10661;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (GENE-)
(JEAN-)
(SIMO/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   27-FEB-1991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               25-MAR-2003
29-APR-1991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        20-AUG-1990;
                                                                                                                                                                                                                                                                                                                                                                                            primer is specific for nt 509-532 of HLA Class II DQwlva allele of DQB1 locus. It is used in a method for the prodn. of RFLP fragment:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENETYPE AG. SIMONS M J.
      23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Page 49; 53pp; English.
   BP; 4 A; 7 C; 8 G; 4 T; 0 U;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              locus-specific
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (revised)
(first entry)
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89US-00405499.
90US-00465863.
90US-00551239.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    90EP-00309107.
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          0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                   fragments
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RESULT 66
AAF73052/c
ID AAF730
XX AAF730
XX AAF730
XY AAF730
XX AAF8
CT 24-APR
XX Human
XX Antise
KW Antiin
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                                                                                                                                                                                                                                                                                            δ
                                                                                                                                                                                                                                                                                                                                                                                                      CC (MCPGs) in the diagnosis and treatment of cell proliferative disorders. A CC (MCPGs) in the diagnosis and treatment of cell proliferative disorders. A CC method has been developed for diagnosing a cell proliferative disorder in CC a subject associated with a MCPG, by determining the presence of a mutant CC (MCPG in the sample where the presence of a mutant MCPG in the sample is cindicative of a cell proliferative disorder. The method can be used for CC diagnosing a cell proliferative disorder such as a neoplasm, e.g. breast CC or colorectal neoplasm. It can also be used for treating a cell colorectal neoplasm. It can also be used for treating a cell colorectal neoplasm. It can also be used for treating a cell colorectal neoplasm, e.g. a fibrotic disorder, benign hyperplasia or neoplasia, particularly colon or breast cancer. It can also be used for treating disorders associated with insufficient cell proliferation or undesirable cell degeneration. The present sequence represents a PCR cundesirable cell degeneration. The present sequence represents a PCR cundesirable colorect associated with insufficient cell proliferation. The present sequence represents a PCR cundesirable colorect amplify human BUBR1, in an example from the present colorect invention. Loss of a MCPG is associated with the mutational inactivation of the human BUBI gene
                                                                                                                                                                                                                                                                                                                                   Matches
                                                                                                                                                                                                                                                                                                                                                                  Query Match
Antisense oligonucleotide; daxx; inhibition; phosphorothioate; Fas binding protein; CENP-C binding protein; dap6; EAP; cytost; antiinflammatory; death associated protein 6; Ets-1 associated
                                                                                                        24-APR-2001
                                                                                                                                         AAF73052;
                                                                                                                                                                       AAF73052 standard; DNA;
                                                                                                                                                                                                                                                                                                                                                                                                      Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Use of mitotic checkpoint and treatment of cell prol proliferation of cells.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human; BUB1; BUBR1; hBUB1; hBUBR1; mutation; mitosis; diagnosis; microsatellite instability; MIN; tumour; mismatch repair; CIN; chromosomal instability; detection; cell proliferative disorder; neoplasm; breast cancer; colorectal cancer; fibrotic disorder; benign hyperplasia; neoplasia; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   16-MAR-1998;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (UYJO ) UNIV JOHNS HOPKINS SCHOOL MEDICINE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    16-MAR-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WO9947638-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human
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                                                                                                                                                                                                                                                                                              1373
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                                                                                                                                                                                                                                                                                                                               l Similarity
18; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                      20
                                                                                                                                                                                                                                                                                              CCAGAAGCAGCTGCGTTTT 1391
                                                                                                                                                                                                                                                            CCAGAAGCAGCTCCGTTTT 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Page 34; 56pp; English
                                                                 inhibitory antisense phosphorothicate oligonucleotide
                                                                                                                                                                                                                                                                                                                                                                                                  BP; 5 A; 5 C; 6
                                                                                                                                                                                                                                                                                                                                 Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PCR primer #4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             of cells.
                                                                                                      (first
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    99WO-US005692
                                                                                                                                                                                                                                                                                                                                              0.7%;
                                                                                                      entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      entry)
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                                                                                                                                                                         20
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                                                                                                                                                                                                                                                                                                                                                                                                  G; 4 T; 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Cahill D,
                                                                                                                                                                                                                                                                                                                                                  Score 17.4;
Pred. No. 2
                                                                                                                                                                                                                                                                                                                                 Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       developing methods for the diagnosis disorders or for increasing the
                                                                                                                                                                                                                                                                                                                                                                                                    U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Lengaver
                                                                                                                                                                                                                                                                                                                                                                  DB 1;
                                                                                                                                                                                                                                                                                                                               1;
                                                                                                                                                                                                                                                                                                                                                               Length 20;
                                                                                                                                                                                                                                                                                                                               Indels
              cytostatic;
                                                                                                                                                                                                                                                                                                                               0
protein;
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                                                                  SEQ:153
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RESULT 67
AAC92593/c
ID AAC925
XX AAC925
XX AC925
XX Human |
XX Human |
XX Human |
XX Cell g
KW riboso
KW cell g
KW nucleo
KW nucleo
KW system
KW nucleo
KW system
KW system
KW system
KW nucleo
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Best Local :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The present invention describes an antisense compound (I) up to 30 nucleobases in length, where (I) inhibits expression of daxx (also known as Fas binding protein, CRNP-C binding protein, daps for death associated protein 6 and EAP for Ets-1 associated protein). (I) has cytostatic and antiinflammatory activity, and can be used in antisense therapy and as a modulator of daxx. (I) is useful for inhibiting the expression of daxx in cells or tissues in vitro. (I) can be utilised for diagnostics, therefore the treatment of diseases associated with the expression of the treatment of diseases associated with the expression of the treatment of diseases associated with the expression of the treatment of diseases associated with the expression of the treatment of diseases associated with the expression of the treatment of diseases associated with the expression of the treatment of diseases associated with the expression of the treatment of diseases associated with the expression of the treatment of diseases associated with the expression of the treatment of the expression of the expression of the treatment of the expression of the treatment of the expression of the expression of the treatment of the expression of the expression of the expression of the expression of
                                                                                                                                                                                                                                                             ribosome transport; cytokinėsis; nucleogenesis; cell cell growth; transcriptional repression; replication; signal transduction; chromatin decondensation, Ag-NoR nucleolin antibody; systemic connective tissue diseas
                                                                                                                                                                                                                                                                                                                                             Human nucleolin; P92; C23; phosphoprotein; ribosome biogenesis; ribosome transport; cytokinesis; nucleogenesis; cell proliferation;
                                                                                                                                                                                                                                                                                                                                                                                                                             Human nucleolin phosphorothicate antisense oligonucleotide,
                                                      US6165786-A
                                                                                                                                                                                      scleroderma-like chronic graft versus host expression inhibition; tumour formation; ca
                                                                                                                                                                                                                                      systemic lupus erythematosus;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     27-MAR-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAC92593;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAC92593 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          an inhibitory is used in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           tumour
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Novel antisense compounds capable of modulating expression of daxx useful for diagnosis, prophylaxis and treatment of diseases associated with expression of daxx.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               24-JAN-2000; 2000US-00490692.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Claim 1; Col 49; 59pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2001-217744/22.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         24-JAN-2000; 2000US-00490692
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     30-JAN-2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (ISIS-) ISIS PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      daxx, prophylaxis e.g. to prevent or delay infection, inflammation or mour formation and as research reagent. The present sequence represents inhibitory human daxx antisense phosphorothicate oligonucleotide which
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1769 TGAGGAGGAGGCGGAG 1787
                                                                                                      sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  19
                                                                                                                                                            disorder; phosphorothicate;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      18;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TGAGGAGGAGGAGGAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Cowsert LM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            BP; 1 A; 13 C; 0 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (first
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  exemplification of the present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            94.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   entry)
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Pred. No. 26
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                                                                                                                                                            antisense oligonucleotide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  26;
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                                                                                                                                                                                                                                                                   Ag-NOR family;
disease; SLE;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 20;
                                                                                                                                                                                   inflammation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Indels
                                                                                                                                                                                                                                                                                                                                                                                                                               SEQ ID NO:43.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Coligonucleotides were designed to target different regions of the human convolution mRNA, and were analysed for their effect on nucleolin mRNA, levels by quantitative real-time PCR. Nucleolin (also known as 92 or CC C23) is the most abundant nucleolar phosphoprotein in actively growing CC cells. Nucleolin primarily participates in ribosome biogenesis and CC transport of ribosomal components, being able to translation by the nucleolar via a ribosuncleoprotein consensus sequence. CC nucleogenesis, cell proliferation and growth, transcriptional repression, CC nucleogenesis, cell proliferation and growth, transcriptional repression, CC replication, signal transduction, and chromatin decondensation. Nucleolin cribosomal genes, and whose expression is associated with the prediction of tumour growth rate. The presence of antibodies against nucleolin are associated with systemic connective tissue diseases such as systemic companies. The oligonucleotides of the invention are useful for diagnosis, prevention and treatment of conditions associated with nucleolin are consension of the invention are useful for diagnosis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local (
                                                                                                                                                                                                                                                                                                                                                                                                                                      Matches
                                                                                                                    Candida albicans
Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Novel antisense compound targeted to human nucleolin which specifically hybridizes with and inhibits the expression of human nucleolin, useful for modulating the expression of nucleolin in cells.
18-FEB-2000; 2000US-0183534P
                              20-FEB-2001; 2001WO-US005551
                                                                                                                                                                                                          Primer A #30
                                                                                                                                                                                                                                        04-DEC-2001
                                                                                                                                                                                                                                                                                                  AAS23716 standard; DNA; 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequences AAC92560-C92639 represent antisense oligonucleotides targetted to the human nucleolin gene, which inhibit its expression. The antisense
                                                                                       WO200160975-A2
                                                                                                                                                                                                                                                                     AAS23716;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2001-079848/09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Example 15; Col 41-42; 41pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              03-NOV-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         03-NOV-1999;
                                                                                                                                                                                                                                                                                                                                                                                                      1761 GATGAAGATGAGGAGGAGG 1779
                                                                                                                                                            identification; replacement and
                                                                                                                                                                                                                                                                                                                                                                             19
                                                                                                                                                                                                                                                                                                                                                                                                                                      18;
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           such
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            BP;
                                                                                                                                                                                                          used
                                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative
                                                                                                                                                                                                                                     (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              4 A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           as tumour
                                                                                                                                                                                                          as
                                                                                                                                                                                                                                                                                                                                                                                                                                                0.7%;
94.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    3
                                                                                                                                                         essential gene; GRACE; pathogenic fungus; conditional expression; fungal infection; probe;
                                                                                                                                                                                                          probe
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              9 C; 0
                                                                                                                                                                                                          for
                                                                                                                                                                                                                                                                                                  8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       formation, immune
                                                                                                                                                                                                                                                                                                                                                                                                                                   0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            G; 7 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 17.4;
Pred. No. 2
                                                                                                                                                                                                                                                                                                                                                                                                                                   Pred. No. 26;
0; Mismatches
                                                                                                                                                                                                       identifying C. albicans GRACE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           disorders
                                                                                                                                                                                                                                                                                                                                                                                                                                   <u>,</u>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
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RESULT 69
ABZ29903
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The present invention relates to novel methods for constructing fungal strains useful for identification and validation of gene products as targets for therapeutic agents, for creating a collection of identified essential genes, and screening assays for the discovery of new drugs. The invention provides the GRACE (gene replacement and conditional expression) method for the construction of mutant organisms referred to as GRACE strains of the organism. The invention can be applied to any organism, particularly a pathogenic fungus e.g. Candida albicans, Asparallus funigatus and Cryptococcus neoformans. The methods are useful to identify agents that may be used in the treatment of fungal infections. AAS23687-AAS23747 represent primers A #1-61 used as probes
                     Constructing strains for identifying gene products as effective targets for therapeutic intervention, by inactivating in the strain one allele a gene and placing other allele of the gene under conditional expression
                                                                                                                                                                                                                                                                                                                 Fungus; yeast; tetracyclin; promoter; GRACE strain; biosynthesis;
signal transduction; DNA replication; cell division; growth;
proliferation; Candida albicans; fungicide; antifungal; PCR; primer; ss.
                                                                                                                                                        22-AUG-2001;
                                                                                                                                                                     29-DEC-2000; 2000US-0259128P
20-FEB-2001; 2001US-00792024
                                                                                                                                                                                                             26-DEC-2001; 2001WO-US049486
                                                                                                                                                                                                                                        11-JUL-2002.
                                                                                                                                                                                                                                                                 WO200253728-A2
                                                                                                                                                                                                                                                                                            Candida albicans
                                                                                                                                                                                                                                                                                                                                                                           Candida
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence
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                                                                                                                               (ELIT-) ELITRA PHARM
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                                                                             2002-566694/60.
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18; Conserv
                                                                                                                                                                                                                                                                                                                                                                         albicans GRACE strain PCR
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Conservative
                                                                                                                                                          2001US-0314050P
                                                                                                                                                                                                                                                                                                                                                                                                   (first entry)
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94.7%;
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Mismatches
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Claim 36; SEQ

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4054; 167pp +

Sequence

Listing; English

expression.

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ADDULT 70
ADD71322
ID ADD71
AC ADD71
AC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local S
Matches 18
                                                                 Detecting the presence of a target nucleic acid molecule in templates combining a detection probe, a first oligonucleotide, second oligonucleotide, a primer and templates suspected of containing the target nucleic acid molecule.
                                                                                                                                                                                                                                                       WPI; 2003-803888/75
                                                                                                                                                                                                                                                                                                                                Shi L;
                                                                                                                                                                                                                                                                                                                                                                                                      (SYGN )
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nilarity 94.7%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            detection; nucleic acid quantitation; universal sequence;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2002US-0364230P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          detection
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Pred. No. 26;
0; Mismatches
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    Matches
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                                                                                                                   The invention comprises a method for detecting a target nucleic acid molecule in a plurality of templates, the method involves combining a detection probe, a first oligonucleotide, second oligonucleotide, a primer and a plurality of templates suspected of containing the target nucleic acid molecule. The method of the invention is useful for detecting the presence of a target nucleic acid molecule in a plurality of templates. The method is also useful for quantitating a particular nucleic acid molecule in a sample. The invention provides a rapid, reliable and cost-effective method for detecting a particular nucleic acid molecule in a sample. The present DNA sequence represents a universal sequence that was used in an example of the invention.
                                                                                  Sequence 20 BP; 7 A; 0 C; 13 G; 0 T; 0 U; 0 Other;
18;
                      Similarity
Conservative
                   0.78;
0,
                      Score 17.4;
Pred. No. 2
  Mismatches
                                          BB
                                          1;
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                                     Length
Indels
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19
                                 Gaps
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RESULT 71
AAC9266
AC AAC926
AC AAC92
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SEQ ID NO:54.

growth factor receptor signalling; pinching signalling; growth factor receptor signalling; pinch; v-Abl; Ras; Sos; transcriptional activation; cancer; tumour; leukaemia; bree expression inhibition; phosphorothicate. Nck-2; adapter protein; Nck adapter protein; hNck-beta; Grb4; ltransduction; SH2 domain; SH3 domain; src homology domain; leukaemia; breast oligonucleotide; cancer;

Homo sapiens

US6165728-A

19-NOV-1999; 99US-00444053.

19-NOV-1999; 99US-00444053.

ĮΤ, Cowsert LM;

2001-090480/10

and as el antisense compound which inhibits expression treating disease or condition associated with e as research reagents, kits and diagnostics. n of human nck-2 useful expression of nck-2,

Claim 1; Col 41-42; 38pp; English.

Sequences AAC92649-C92728 represent antisense oligonucleotides targetted to the human Nok-2 gene, which inhibit its expression. The antisense oligonucleotides were designed to target different regions of the human Nok-2 mRNA, and were analysed for their effect on Nok-2 mRNA levels by quantitative real-time PCR. Nok-2 (also known as Nok adapter protein, Nok-beta and Grb4), contains both SH2 and SH3 src homology domains and functions as an adapter protein in integrin-mediated and receptor tyrosine kinase-mediated signal transduction, particularly in growth factor receptor signalling. Moreover, Nok-2 participates in panhways that receptor signalling ion, particularly in growth
-2 participates in pathways
and integrin signalling via a its

Example

2

SEQ

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9

42pp;

English

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interaction with PINCH, a LIM domain-containing adapter protein which is involved in integrin, growth factor and Wnt signalling pathways. Nck-2 also interacts with EGF (epidermal growth factor) and PDGF (plateletderived growth factor) receptors, inhibiting EGF- and PDGF-stimulated DNA synthesis in an SH2-dependent manner. Nck-2 is also able to interact with v-Abl, Ras and Sos proteins to induce transcriptional activation, and is therefore implicated in the development of cancer, particularly leukaemia and breast cancer. The oligonucleotides of the invention are useful for diagnosis, prevention and treatment of conditions associated with Nck-2 expression.
    Sequence 20
    BP;
                                                                                             such as leukaemia and breast cancer
1 A;
12 C; 3
G; 4 T; 0 U; 0 Other;
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Query Match Best Local S Matches 18 18; Similarity Conservative 0.7%; o ;-Score 16.8; Pred. No. 3 Mismatches 34; DB 1; 2; Length 20; Indels 0 Gaps

0

B S 1776 GAGGAGGCGGAGGAGGCGGC 1795 20 GAGGAGGTGGACGAGGCGGC 1

ABZ86362 standard; DNA; 20

ABZ86362;

17-0CT-2003 entry

Human oligonucleotide sequence.

Human; antisense; lung dysfunction; nasal airway dysfunction; antiinflammatory steroid; ubiquinone; antiinflammatory; antiallergic; antiasthmatic; bypotensive; immunosuppressive; cytostatic; gene therapy; antisense gene therapy; respiratory; lung; adenosine sensitivity; antisense receptor; bronchodilation; bronchoconstriction; lung allergy; adenosine receptor; bronchodilation; bronchoconstriction; lung allergy; inflammation; respiratory disease; ds

WO200285308-A2

31-OCT-2002

23-APR-2002; 2002WO-US013135

24-APR-2001; 2001US-0286137P

(EPIG-) EPIGENESIS PHARM INC

Miller Ś Li Y, Tang ŗ Sandrasagra A, L, Shahabuddin Katz S; 'n Pabalan ٦ Aguilar

2003-229219/22

Pharmaceutical composition for treating ailments associated with impaired respiration, has oligo(s) antisense to specific gene(s) or its corresponding RNAs, and glucocorticoid or non-glucocorticoid steroid or

Claim 15; SEQ ID NO 1604; 872pp; English.

The invention relates to a novel pharmaceutical composition, which has a first active agent comprising an oligonucleotide antisense to the initiation codon, coding region, 5' or 3' end genomic flanking regions, 5' and 3' intron-exon junctions, or regions within 2-10 nucleotides of junctions of genes encoding a polypeptide associated with lung and/or nasal airway dysfunction and a second active agent comprising an antiinflammatory steroid and ubiquinone. A composition of the invention has antiinflammatory, antiallergic, antiasthmatic, hypotensive, immunosuppressive, and cytostatic activity. The composition may have a antisense gene therapy. The composition ۲. 8 for treating 9

> preventing a respiratory, lung or malignant disease or condition, also for enhancing the prophylactic or therapeutic respiratory effect of an antiinflammatory steroid in a subject, for reducing or depleting levels of, or reducing sensitivity to adenosine, reducing levels of adenosine receptor, producing bronchodilation, increasing levels of ubiquinone or lung surfactant in a subject's tissue, or treating bronchoconstriction, lung inflammation, lung allergies, or a respiratory disease or condition. Note: The sequence data for this patent is not represented in the printed specification, but was obtained in electronic format directly from WIPO at fig.wipo.int/pub/published\_pct\_sequences

Sequence 20 BP; 5 A; 6 C; 7 G; 2 T; 0 U; 0 Other;

Query Match Best Local S Matches 18 l Similarity 18; Conserv 0.7%; hilarity 90.0%; Conservative <u>0</u> Score 16.8; Pred. No. 3 Mismatches BB ۲. .. -: Length 20; Indels 0 Gaps 0

2134 TGGACGACCCAGGTGGCCAG TGGAAGACCCAGGTGCCCAG 20 2153

g Ś

RESULT 73 ADC49221/c ID ADC49221 f

standard; DNA; 멸

ADC49221;

18-DEC-2003 entry)

Hyaluronic acid synthetase-1, HAS-1, PCR primer, SEQ IJ 12.

Rabbit; hyaluronic acid synthetase; enzyme; HAS-2; HAS-3; articular disease; osteoarthritis; HAS-1; PCR; primer; ss HAS-2; HAS-3; joint disorder;

Unidentified

JP2003038185-A

27-JUL-2001; 2001JP-00228543

27-JUL-2001; 2001JP-00228543

(-IHYU) UNIV HIROSHIMA.

2003-508645/48.

Novel gene useful for nucleic acid sequencing, code acid synthetase and has hyaluronic acid synthetase codes rabbit hyaluronic activity

Example SEQ H NO 12; 31pp; Japanese.

The present invention relates to coding sequences (ADC49210 and for rabbit hyaluronic acid synthetase (HAS)-2 or HAS-3 (ADC4921 ADC49213). The sequences of the invention can be used for treation the disorders and articular diseases, such as osteoarthritis. present sequence was used to illustrate the invention. (ADC49211 treatment of ADC49212)

Sequence 20 BP; 6 ď 2 C; 9 G; 3 T; 0 U; 0 Other;

Ś Query Match Best Local S Matches 18 2033 18; Similarity CCTTAACCCTCGGGACTACT Conservative 90.0%; 0 Score 16.8; Pred. No. 34; Mismatches DB 1; *ب* Length 20; 0 Gaps

0;

RESULT 74 AAV64914/c

g

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RESULT 75
ABQ78582/
ID ABQ7
XX
AC ABQ7
XX
DT 25-N
XX
DT 25-N
XX
DE RT-P
XX
Huma
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                                                                                                                                                                                                             Ś
                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
Matches 18; Conserv
                                                                                                                                                                                                                                                                                                                           This is the nucleotide sequence of primer Exon 2n, which was used with primer Exon 1 (see AAV64912) in RT-PCR to characterise the splice junctions of the latency associated transcript (LAT) of herpes simplex virus type 1 (see AAV64883-86). The invention relates to methods of stabilising unstable gene transcripts. A claimed polynucleotide comprises: a polynucleotide encoding a gene product; a 5'-sequence of an intron, including the splice donor and splice acceptor sites (see AAV64885-86), and a 3'-sequence of the same intron, including a hairpin structure (see AAV64887) next to the intron's branchpoint. A preferred intron is the 2.0 kb LAT of a herpes virus. Methods and compositions using the polynucleotide can be used in gene therapy and more generally as research reagents, markers of gene production, in therapeutic or diagnostic compositions, in drug screening and to identify transcripts produced only at selected stages of the cell cycle
                          RT-PCR primer used to amplify CHYM cDNA.
                                                                                     ABQ78582
                                                                                                              ABQ78582 standard; DNA; 18
                                                                                                                                                                                                                                                                                                    Sequence 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            HSV-1; latency associated transcript; LAT; LATin; gene therapy; PCR;
                                                       25-NOV-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Increasing expression of genes having unstable RNA transcripts, particularly for gene therapy - using a construct including gen by intron fragments that include a hairpin next to the intron
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Example 1; Page 23; 106pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 1998-609982/51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         HSV-1 primer Exon
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Fraser NW,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (WIST-) WISTAR INST ANATOMY & BIOLOGY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        18-APR-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    17-APR-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 29-OCT-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WO9848004-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human herpesvirus 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       15-MAR-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAV64914;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAV64914 standard; DNA;
                                                                                                                                                                                                                 1770
                                                                                                                                                                                      20
                                                                                                                                                                                    GAGGAGGAAGAGGCAGAGGA 1
                                                                                                                                                                                                              GAGGAGGAGGAGGAGGA 1789
                                                                                                                                                                                                                                                                                                   BP; 0 A; 11 C; 2 G; 8 T; 0 U; 0 Other;
                                                                                                                                                                                                                                             Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Zabolotny
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (first
                                                       (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        97US-0044664P
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                                                                                                                                                                                                                                                         0.7%;
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                                                                                                                 ВP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Krummenacher CF;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               85
                                                                                                                                                                                                                                            0
                                                                                                                                                                                                                                                         Score 16.8;
Pred. No. 39;
                                                                                                                                                                                                                                             Mismatches
                                                                                                                                                                                                                                                                       DB 1; Length 21;
                                                                                                                                                                                                                                            2
                                                                                                                                                                                                                                             Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      gene
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                                                                                                                                                                                                                                        Gaps
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Human; mucin 4; MUC4; peripheral blood monocyte; PBMC; tumour

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Peripheral blood monocytes (PBMCs) isolated from pancreatic cancer patients are positive for mucin 4 (MUC4), while MUC4 expression is not observed in PBMCs isolated from normal patients or from patients suffering from chronic pancreatitis or other types of cancers. Expression of MUC4 can therefore be used as an indication of pancreatic cancer. The specification describes a method for detecting a MUC4-encoding nucleic acid or a MUC4 protein in a biological sample as a tumour marker for pancreatic cancer. The method comprises contacting a nucleic acid extracted from the sample with oligonucleotide primers that specifically hybridise to the MUC4 nucleic acid; or contacting a biological sample with an antibody (or its fragment) that has specific binding affinity for MUC4. The method is useful for diagnosing pancreatic cancer or pancreatic adenocarcinoma, particularly for early detection of pancreatic cancer
                                                                                                                                                                                                                                     liver cancer; infection; inflammation; tumour formation; cytostatic; antidiabetic; antiinflammatory; antimicrobial; phosphorothioate;
                                                                                                                                                                                                                                                              Human; casein kinase 2-alpha prime; diabetes mellitus; hyperproliferative disorder; breast cancer; prostate cancer; liver cancer; infection; inflammation; tumour formation; cyt
                                                                                                                                                                                                                                                                                                                                                                              Human casein kinase 2-alpha prime antisense oligonucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                            29-NOV-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABS67915
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 18 BP; 2 A; 6 C; 7 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Diagnosing pancreatic adenocarcinoma, particularly for the early detection of the pancreatic cancer, comprises employing primers antibodies that are specific for the MUC4-encoding nucleic acid of the MUC4-encod
                                  15-AUG-2002
                                                                                                                                              Homo sapiens
                                                                                                                                                                                                      antisense therapy; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  protein, respectively.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       07-DEC-2001; 2001WO-US046887
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABS67915 standard; DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PCR primers ABQ78581-82 were used to amplify human CHYM nucleic acids.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Example 1; Page 29; 63pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2002-643346/69.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               08-DEC-2000; 2000US-00733444
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (UYNE-) UNIV NEBRASKA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WO200259368-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            894 CTGCAGCAGACAGCCCTG 911
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SK,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          81
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    l Similarity
17; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CTGCAGCAGCCAGCCCTG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                            (first
                                                                                                                                                                                                                                                                                                                                                                                                                                         entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                94.4%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0
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Pred. No. 31;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Faulamnn G,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 1;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 18
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                                                                                                                                                                                                                                                                                                                                                                                    #14.
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유
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ABT43400/c
ID ABT434
XX
AC ABT434
XX
DT 22-SEP
XX Neurob
XX Uniden
XX WO2002
XX WO2002
XX WO2002
XX J-DEC
XX J-MAY
PF 31-MAY
PR 24-AUG
XX (CHIB-
PA (HISM
XX WPI; 2
XX WPI; 2
XX WPI; 2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity
Matches 17; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The present invention relates to antisense oligonucleotides and methods for modulating the expression of human or mouse casein kinase 2-alpha prime. The antisense oligonucleotides are useful for inhibiting the expression of casein kinase 2-alpha prime, and for treating diseases or conditions associated with aberrant expression of casein kinase 2-alpha prime. Such diseases include diabetes mellitus, and hyperproliferative disorders (particularly cancers e.g. breast cancer, prostate cancer, or liver cancer). The antisense compounds are also useful for diagnostics, inflammation or tumour formation, as research reagents and kits, and in distinguishing between functions of various members of a biological pathway. ABS67840-ABS67917 represent human or mouse casein kinase 2-alpha prime antisense oligonucleotides which comprise a phosphorothicate
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New antisense oligonucleotides targeted to nucleic acid encoding casein kinase 2-alpha prime, useful for diagnosing and/or treating a disease or condition associated with expression of casein kinase 2-alpha prime.
                                                                                                                          31-MAY-2001;
24-AUG-2001;
                             WPI; 2003-167523/16
                                                                                                                                                                   30-MAY-2002; 2002WO-JP005295
                                                                                                                                                                                                                          WO2002103017-A1
                                                                                                                                                                                                                                                                                Neuroblastoma;
                                                                                                                                                                                                                                                                                                            Neuroblastoma-related DNA
                                                                                                                                                                                                                                                                                                                                                                   ABT43400;
                                                                                                                                                                                                                                                                                                                                                                                              ABT43400 standard; DNA; 20 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 20 BP; 6
                                                                                                                                                                                                                                                    Unidentified
                                                                                                                                                                                                                                                                                                                                       22-SEP-2003
                                                                                                  (CHIB-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           08-FEB-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         01-FEB-2002;
                                                                                                                                                                                                                                                                                                                                                                                                                         77
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1881 CTGGAGGAGGACGAGGAG 1898
                                                                                 CHIBA PREFECTURE HISAMITSU PHARM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SISI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Page 96; 129pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Conservative
                                                                                                                           2001JP-00163666.
2001JP-00255260.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PHARM INC
                                                                                                                                                                                                                                                                                                                                     (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2001US-00780173.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2002WO-US002772
                                                                                                                                                                                                                                                                                prognosis;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              A; 1 C; 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  94.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Wyatt JR;
                                                                                   CO LID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      English
                                                                                                                                                                                                                                                                                ds;
                                                                                                                                                                                                                                                                                                           sequence #315.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 18
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 16.4;
Pred. No. 4:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              G; 1 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                oligonucleotide
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Nucleic acids isolated

from neuroblastoma showing

enhanced

expression

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1545

ACCTGGCTGAACATTGCA 1562

Query Match Best Local S Matches 17

l Similarity 17; Conser

Conservative

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0.6%;

Score 16.4; D: Pred. No. 41; O; Mismatches

B

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Length

Indels

0

Gaps

0

Sequence

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RESULT 78
ABT32545/c
ID ABT32
XX ABT32
XX Neuro
XX Neuro
XX Neuro
XX Neuro
XX Neuro
XX Neuro
XX Inide
XX O5-DB
XX O5-DB
XX 30-MB
XX 30-MB
XX 10HISh
XX INCLE
XX INCL
XX INCLE

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Best Local S
Matches 17
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ABT32545
                                                                        The invention comprises nucleic acids that show increased expression in human neuroblastomas with poor prognosis over those with a good prognosis. The nucleic acids of the invention are useful as a tool for distinguishing neuroblastomas with a favourable prognosis (spontaneous regression) from neuroblastomas with a poor prognosis (high malignancy). The DNA sequences ABT32224 - ABT32571 represent oligonucleotides used in the poor prognosis (high malignancy).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (CHIB-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The invention comprises DNA sequences that show enhanced expression in human neuroblastoma with good prognosis. The DNA sequences of the invention are useful in clarifying good/poor prognosis of neuroblastoma The present DNA sequence was used in the exemplification of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      human neuroblastoma with good prognosis, prognosis of neuroblastoma and providing
                                                                                                                                                                                                                                                                    Example
                                                                                                                                                                                                                                                                                                                Nucleic acids having higher expression prognosis for diagnostic prediction of
                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2003-140476/13.
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Nakagawara A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  30-MAY-2001; 2001JP-00162775.
24-AUG-2001; 2001JP-00255226.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                30-MAY-2002;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Neuroblastoma;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                08-MAY-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABT32545;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence
                                                       an example
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Neuroblastoma-related oligonucleotide #322
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CHIBA PREFECTURE
HISAMITSU PHARM (
                                                                                                                                                                                                                                                           5; Page 28; 111pp; Japanese.
  20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    standard; DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ACCTGGCTGAACAATGCA 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ACCTGGCTGAACATTGCA 1562
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 20 BP; 3 A; 5 C; 5 G; 7 T; 0 U;
                                                       of the
  ₿P;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2002WO-JP005294.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        prognosis; spontaneous regression;
  3
A;
                                                       invention
  5 C; 5 G; 7 T; 0 U;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ც
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TTD
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 16.4;
Pred. No. 41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Mismatches
                                                                                                                                                                                                                                                                                                                   in human neuroblastoma with neuroblastoma prognosis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    , useful i
genetic
  0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ۲.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      in clarifying good/poor clata.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        primer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  20;
                                                                                                                                                                                                            expression in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        probe; ds;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      invention
                                                                                                                                                                                                                                                                                                                                               poor
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19

ACCIGGCIGAACAATGCA 2

(first

entry)

DNA;

20 쁑

subunit RII beta antisense oligonucleotide ISIS #114459

antidiabetic; antisense therapy; phosphorothioate; bitor; protein kinaee A; PKA; RII beta; cAMP-dependent protein kinase; diabetes; inflammation; tumour; ss.

Location/Qualifiers
1. .20

Optionally

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RESULT 79
ABZ81534/c

ABZ81534;

XX
ABZ81534;

AC
ABZ81532-ABZ81593)

CC
CABZ8152-ABZ81593)

CD
CABZ8152-ABZ81593)

CD
CABZ8152-ABZ81593

CD
CABZ8152-ABZ815
밁
                                               δ
                                                                                                                                                         Query Match
Best Local
                                                                                                                              Matches
                                                                                                                                                                                                                                                                                                  The present invention relates to novel antisense oligonuclectides (ABZ81522-ABZ81593) which are targeted to human protein kinase A (PKA) regulatory subunit RII beta nucleoride sequence (ABZ81513), and which specifically hybridise with and inhibit the expression of the PKA regulatory subunit RII beta (PKA) is also known as CAMP-dependent protein kinase). The antisense oligonucleorides are useful for modulating the expression of PKA regulatory subunit RII beta and for treating diseases or conditions associated with aberrant expression of PKA regulatory subunit RII beta, e.g. diabetes or cancer. The antisense compounds are also useful for diagnostics, therapeutics, prophylaxis, e.g. to prevent or delay infection, inflammation or tumour formation, as research reagents and kits, and in distinguishing between functions of various members of a biological pathway
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New antisense oligonucleotides targeted to nucleic acid encoding protein kinase A regulatory subunit RII beta, useful in treating diseases e.g. cancer associated with the aberrant expression of the protein kinase.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2003-239434/23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               25-JUL-2001; 2001US-00915485
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                15-JUL-2002; 2002WO-US022629.
                                                             1770 GAGGAGGAGGAGGCGGAG 1787
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   3; Page 74; 98pp; English.
20
                                                                                                                                                         Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Wyatt JR
                                                                                                                           Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /mod_base= OTHER
/note= "Oligonucleotide has phosphorothicate backbone
all cytidine nucleotides are 5-methylcytidine. Optiona
some nucleotides with 2'-methoxyethyl (2'-MOE wings)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            modification"
                                                                                                                                                                                                                                                      A:
                                                                                                                                                   0.6%;
                                                                                                                                                                                                                                                  12 C; 4 G; 4 T; 0 U;
                                                                                                                           0;
                                                                                                                       Score 16.4; I
Pred. No. 41;
0; Mismatches
                                                                                                                                                                                     DB 1;
                                                                                                                                                                                                                                                      0 Other;
                                                                                                                       <u>,</u>
                                                                                                                                                                                     Length
                                                                                                                           Indels
                                                                                                                       0
                                                                                                                    Gaps
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0

RESULT 8
ABK99821
ID ABK
XX
AC ABK
AC ABK
XX
AC ABK
XX
OT 21XX
OT 21XX
OE Mou
XX
AN Ant

ABK99821 standard; DNA; 20

멸

81

21-OCT-2002 ABK99821;

(first

entry)

Antisense gene

therapy; RAIDD; death domain; caspase recruitment

Mouse RAIDD antisense oligonucleotide #75.

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RESULT 80
AAF73054/c
ID AAF730
XX AAF730
XX AAF730
XX AAT188
AX AAT188
AX AAT188
KW Fas bi
KW AAT111
KW INFECT
XX US6180
XX INFECT
XX IN
          문
                                                            Ś
                                                                                                                               Query Match
Best Local S
Matches 16
                                                                                                                                                                                                                                                                                                                                             The present invention describes an antisense compound (I) up to 30 nucleobases in length, where (I) inhibits expression of daxx (also known as Fas binding protein, CBNP-C binding protein, daps for death associated protein 6 and EAP for Ets-1 associated protein). (I) has cytostatic and antiinflammatory activity, and can be used in antisense therapy and as a modulator of daxx. (I) is useful for inhibiting the expression of daxx in cells or tissues in vitro. (I) can be utilised for diagnostics, therapeutics for the treatment of diseases associated with the expression of daxx, prophylaxis e.g. to prevent sequence represents to make the control of daxx antisense phosphorothioate oligonucleotide which an inhibitory human daxx antisense phosphorothioate oligonucleotide which
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Antisense oligonucleotide; daxx; inhibition; phosphorothioate; Fas binding protein; CENP-C binding protein; dap6; EAP; cytostatic; antiinflammatory; death associated protein 6; Ets-1 associated protinfection; inflammation; tumour formation; ss.
                                                                                                                                                                                                                                                        Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 1; Col 49; 59pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     for diagnosis, property expression of daxx.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Novel antisense compounds capable of modulating expression of defor diagnosis, prophylaxis and treatment of diseases associated
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              24-JAN-2000; 2000US-00490692
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       24-JAN-2000; 2000US-00490692
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       30-JAN-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US6180353-B1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human daxx inhibitory antisense phosphorothioate oligonucleotide SEQ:155.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAF73054;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Homo sapiens
                                                                      1756
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ×
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2001-217744/22
16 CTGAAGATGAAGATGA 1
                                                                                                                               16;
                                                                                                                                                                 Similarity
                                                                                                                                                                                                                                                                                                                        in the exemplification of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ISIS PHARM INC
                                                            CTGAAGATGAAGATGA 1771
                                                                                                                                                                                                                                                               20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Cowsert LM
                                                                                                                               ilarity 100.0%;
Conservative (
                                                                                                                                                                                                                                                        BP; 4 A; 6 C; 2 G; 8 T; 0 U; 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    entry)
                                                                                                                                                                                               0.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                20
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                                                                                                                               0;
                                                                                                                                                                 Score 16; 
Fred. No.
                                                                                                                               Mismatches
                                                                                                                                                                                                                                                                                                                     present invention
                                                                                                                                                          DB 1; Length 20; 49;
                                                                                                                                                                                                                                                            Other;
                                                                                                                               0
                                                                                                                               Indels
                                                                                                                               0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   daxx useful
ed with
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        protein;
                                                                                                                               Gaps
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ABK99820
ID ABKS
XX
AC ABKS
XY
AC ABKS
XY
AC ABKS
XX
XY
AC
DE MOU
XX
ANT
KW CAR
KW Met
KW RIF
KW RIF
KW RIF
KW RY

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                문
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 82
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The invention describes a compound (I) 8-50 nucleobases in length CC targeted to a nucleic acid molecule (II) encoding RAIDD which is an adaptor molecule containing both death domain (DD) and caspase recruitment domains (CARD), where (I) specifically hybridises with and inhibits expression of RAIDD, or specifically hybridises with and 8-nucleobase portion of an active site on (II), (I) is useful for conhibiting the expression of RAIDD (Receptor interacting protein (RIP) associated ICH-1/CED-3-homologous protein with death domain) in cells or tissues, and for treating an animal having a disease or condition associated with RAIDD, where the disease or condition is a hyperproliferative disorder such as cancer, or a growth or metabolic disorder. (I) is also useful for diagnostics, therapeutics, prophylaxis, as research reagents and kits, for distinguishing functions of various members of a biological pathway, and in antisense gene therapy. (I) is also useful prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. This sequence represents a mouse RAIDD cantisense coligonucleotide used to control expression of the RAIDD protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local S
Matches 16
                                                       Antisense gene therapy; RAIDD; death domain; caspase recruitment domain; CARD; hyperproliferative disorder; cancer; growth disorder; mouse; metabolic disorder; infection; inflammation; tumour formation; RIP associated ICH-1/CED-3-homologous protein with death domain;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Novel antisense compound that hybridizes and inhibits nucleic acid encoding RAIDD which is an adaptor molecule containing both death and cospase recruitment domains, for treating hyperproliferative
                                                                                                                                                                                                              Mouse RAIDD antisense oligonucleotide #74.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CARD; hyperproliferative disorder; cancer; growth disorder; mouse metabolic disorder; infection; inflammation; tumour formation; RIP associated ICH-1/CED-3-homologous protein with death domain; receptor interacting protein; antisense oligonucleotide; ss.
                             receptor interacting protein; antisense oligonucleotide;
                                                                                                                                                                                                                                                                                                                                                                                                         ABK99820 standard; DNA; 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 20 BP; 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Example
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               01-NOV-2000;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Zhang H,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          29-OCT-2001; 2001WO-US050914.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SISI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CTCCAGCATGTGCTGG 1242
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CTCCAGCATGTGCTGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Freier SM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Page 96;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2000US-00705267
                                                                                                                                                                                                                                                                                (first
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         A; 6 C; 5
                                                                                                                                                                                                                                                                                entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  144pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         G; S T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 16;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0,
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The invention describes a compound (I) 8-50 nucleobases in length CC targeted to a nucleic acid molecule (II) encoding RAIDD which is an CC adaptor molecule containing both death domain (DD) and caspase creativement domains (CARD), where (I) specifically hybridises with at least an CC annucleobase portion of RAIDD, or specifically hybridises with at least an CC anticeobase portion of an active site on (II). (I) is useful for CC inhibiting the expression of RAIDD (Receptor interacting protein (RIP) associated ICH-1/CED-3-homologous protein with death domain) in cells or CC tissues, and for treating an animal having a disease or condition or CC hyperproliferative disorder such as cancer, or a growth or metabolic CC disorder. (I) is also useful for disgnostics, therapeutics, prophylaxis, comembers of a biological pathway, and in antisense gene therapy. (I) is also useful prophylactically, e.g. to prevent or delay infection.

CC antisense oligonal pathway, and in antisense gene therapy. (I) is also useful formation. This sequence represents a mouse RAIDD contributed and correct expressions a path of the path 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Novel antisense compound that hybridizes and inhibits nucleic acid encoding RAIDD which is an adaptor molecule containing both death and caspase recruitment domains, for treating hyperproliferative
   Sequence 20 BP; 4 A; 6 C; 6 G; 4 T; 0 U; 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim
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                                                               oligonucleotide used to control expression of the
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Other;
                                                        RAIDD protein
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RESULT ADQ9221 ADQ9221 ADQ9221 ADQ9221 ADQ922 ADQ92 AD
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AAQ92210
        10-NOV-1994;
                                                                                     18-MAY-1995
                                                                                                                                                                                                                                                                                                                    flanking region; amplification; probe; detection; sputum; diagnosis;
benign; malignant; neoplasm; lung; lung cancer; head; neck; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       p53 detection probe,
                                                                                                                                                              WO9513397-A1
                                                                                                                                                                                                                                                    Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                     Primer; polymerase chain reaction; amplify; mutant; K-ras;
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        94WO-US012947
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Pred. No.
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RESULT 84
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Best Local S
Matches 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The sequences given in AAQ92112-211 are probes which were used in the detection of a mutant p53 gene sequence. The DNA to be detected is amplified using PCR and then these probes which are pref. labeled using 32-P gamma-ATP are used to detect the mutant sequences. The primers and probes given in AAQ92098-219 are used in the method of the invention for detecting mammalian target DNA in sputum samples. Analysis of the target DNA is used to diagnose benign or malignant neoplasms of the lung. It is also useful for screening people at high risk or for monitoring progress of treatment of lung neoplasms. The method is based on the discovery that mutant target DNA associated with lung cancer is present at detectable levels in sputum. Cells shed into sputum from head and neck cancers may also be detected
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2815/c
AAF02815
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Detecting diagnosis or p53 tum
                                                useful for interferon
                                                                  Enzymatic and antisense nucleic acid inhibition of repressor genes, useful for producing e.g. granulocyte colony stimulating factor protein,
                                                                                                                                                     WPI; 2000-647423/62
                                                                                                                                                                                                                                                                                                                                                  11-APR-2000;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Ribozyme; erythropoietin; granulocyte colony stimulating factor;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Hammerhead ribozyme substrate #1110.
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                                                producing
                                                                                                                                                                                                     Zwick
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Page 36; 122pp;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                                                                  2000WO-US009721
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                suppressor.
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                                             e.g. granulocyte erythropoietin.
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94.1%;
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Claim

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164pp; English

Claim 88;

Page 131; 200pp; English

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RESULT 85
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Matches 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human; ss; antisense therapy; cytostatic; antiinflammatory; haemostatic; cerebroprotective; nootropic; neuroprotective; antiparkinsonian; muscular; CD20; neurite growth inhibitor gene; NOGO; hammerhead ribozyme; DNAzyme; inozyme; G-cleaver; amberzyme; zinzyme; lymphoma; leukaemia; B-cell lymphoma; non-Hodgkin's lymphoma; NHI; lymphocytic leukaemia; human immunocytoma; IWC; immune thrombocytopaenia; stroke; dementia; MCL; immunocytoma; IWC; immunocytoma; IWC; immune thrombocytopaenia; stroke; dementia; inflammatory arthropathy; central nervous system injury; cerebrovascular accident; CVA; Alzheimer's disease; multiple sclerosis; chemotherapy-induced neuropathy; amyotrophic lateral sclerosis; ALS; parkinson's disease; ataxia; Huntington's disease; cerebrovascular accident; cVA; Alzheimer's disease; ataxia; Huntington's disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The present invention relates to enzymatic and antisense nucleic acid molecules that act as inhibitors of the expression of repressor genes encoding the TR2 Orphan receptor, EAR3/COUP-TF-1, the GATA transcription factor gene, IRF-2 and/or the CAATT Displacement protein (CDP). Inhibition of the repressors removes prevents inhibition (and consequently increases expression of) genes involved in the production of erythropoletin, granulocyte colony stimulating factor protein and interfered the production of the results of the production of the product
                                                                                                                                   Nucleic acid molecules, e.g., enzymatic nucleic constructs, which down regulate expression of a growth inhibitor gene useful for treating, e.g.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     11-FEB-2000; 2000US-0181797P
28-FEB-2000; 2000US-0185516P
06-MAR-2000; 2000US-0187128P
                                                                                                        central nervous system injury.
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(BLAT/)
(MCSW/)
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BLATT L.
MCSWIGGEN J.
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16; Conserv
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nilarity 94.1%;
Conservative
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CD20 gene
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or neurite
a, leukemia,
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RESULT 86
ABNO0937
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XX ABNO0
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Best Local S
Matches 16
26-MAY-2000; 2000US-0207456P.
21-SEP-2000; 2000US-0234687P.
27-SEP-2000; 2000US-0236359P.
04-CCT-2000; 2000CB-00024263.
30-JAN-2001; 2001WO-US000661.
30-JAN-2001; 2001WO-US000662.
30-JAN-2001; 2001WO-US000663.
30-JAN-2001; 2001WO-US000663.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human; genome-derived myosin-like protein 1; GDMLP-1; hGDMLF muscle; myosin; chromosome 22; gene therapy; vaccine; heart skeletal muscle disorder; amplicon; screening; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The invention relates to a nucleic acid molecule which down regulates expression of a CD20 gene and a nucleic acid molecule which down regulates expression of a neurite growth inhibitor gene (NGGO). The nucleic acids may be enzymatic nucleic acids (e.g. a ribozyme or a DNAzyme) an Inozyme (an endolytic nucleic acid cleaving a an RNA molecule property of the contract of the contra
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16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GAAGAAGAGGAGGA 17
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0; Mismatches
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The present invention describes a human genome-derived myosin-like CC protein 1 (hdDMLP-1). The protein and polynucleotide sequences of hdDMLP-1 CC I can be used in gene therapy and vaccine production. The hdDMLP-1 CC mucleic acids can be used as probes to detect, characterise and quantify CC hdDMLP-1 nucleic acids in samples, as amplification substrates, to provide initial substrates for the recombinant engineering of hdDMLP-1 CC protein variants having desired phenotypic improvements, and for CC expressing the proteins. The hdDMLP-1 proteins or polypeptides may be used as immunogens to raise antibodies that specifically recognise hdDMLP CC laproteins, as standards in assays used to determine the concentration and/or amount specifically of hdDMLP proteins, as specific biomolecule capture probes for surface-enhanced laser description ionisation, as CC therapeutic supplement in patients having specific deficiency in hdDMLP-1 copolation, and in vaccines or for replacement therapy. The polynucleotide sequences encoding hdDMLP-1 may be used for diagnosing a CC disorder associated with the expression of hdDMLP-1, in particular heart cand skeletal muscle disorders. hdDMLP-1 is localised to chromosome 22. The present sequence represents an oligomer used in the screening of the present sequence data for this patent did not form part of the printed capture protein, but was obtained in electronic format directly from WIPO capture protein capture data for this patent did not form part of the printed capture proteins obtained in electronic format directly from WIPO capture proteins and the sequence in the screening of the presents and the presents of the printed capture proteins obtained in electronic format directly from WIPO capture proteins and the screening of the presents and the pres
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05-FEB-2001;
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30-JAN-2001;
30-JAN-2001;
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                                             ftp.wipo.int/pub/published_pct_sequence
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                               Query Match 0.6
Best Local Similarity 94.3
Matches 16; Conservative
                                                                 Sequence 17 BP; 6 A; 2 C; 7
         1264 AGCTGGAAGAGGCTGAG 1280
μ
                                       0.6%;
17
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                                       Score 15.4;
Pred. No. 42;
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                                                                 0 Other;
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                                               Length
                                Indels
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                                Gaps
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RESULT 87
ABNO8667
ID ABNO8
XX ABNO8
XX ABNO8
XX 29-MA
XX Human
XX
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WO200192524-A2

skeletal muscle

muscle;

myosin;

Human; genome-derived myosin-like protein 1; GDMLP-1;

chromosome 22; gene therapy; vacc disorder; amplicon; screening; ss

therapy; vaccine;

hGDMLP-1; heart; heart disease;

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RESULT 88
ABV78925
ID ABV78
XX
AC ABV78
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DT 03-JA
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                                                                                                                                                                                                                                                                                                                                CC The present invention describes a human genome-derived myosin-like CC protein 1 (hGDMLP-1). The protein and polynucleotide sequences of hGDMLP-1 CC nucleic acids can be used in gene therapy and vaccine production. The hGDMLP-1 CC nGDMLP-1 nucleic acids in samples, as amplification substrates, to provide initial substrates for the recombinant engineering of hGDMLP-1 CC protein variants having desired phenotypic improvements, and for CC expressing the proteins. The hGDMLP-1 proteins or polypeptides may be used as immunogens to raise antibodies that specifically recognise hGDMLP cc used as immunogens to raise antibodies that specific biomolecule cc proteins, as standards in assays used to determine the concentration cc and/or amount specifically of hGDMLP proteins, as specific biomolecule capture probes for surface-enhanced laser description ionisation, as the proteins or for replacement therapy. The production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The polymucleotide sequences encoding hGDMLP-1 may be used for diagnosing a cdisorder associated with the expression of hGDMLP-1, in particular heart cc and skeletal muscle disorders. hGDMLP-1 is localised to chromosome 22.

CC The present sequence represents an oligomer used in the screening of the present sequence data for this patent did not form part of the printed capture with mile and not form part of the printed content on the printed on the present invention. N.B.
                                                                                                                                                                                                                                                      Query Match
Best Local S
Matches 16
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                   03-JAN-2003
                                                      ABV78925
                                                                                       ABV78925
                                                                                                                                                                                                                                                                                                                                Sequence 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New polypeptide, for raising antibodies that recognize hGDMLP-1 proteins, or as specific biomolecule capture probes for surface-enhanced laser description ionization, comprises human myosin-like protein hGDMLP-1.
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                                                                                                                                                                                                                                                                                                                                                               ftp.wipo.int/pub/published_pct_sequence
                                                                                                                                                                                                                   1529 ССТССАССАССКА 1545
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16; Conserv
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                                                                                       standard;
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                                                                                                                                                                                                                                                          Conservative
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2000US-0234687P.
2000US-0236359P.
                 (first entry)
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                                                                                       DNA; 17
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Pred. No. 4
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RESULT 89
ABK17920/c
ID ABK17
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AC ABK17

1920/c ABK17920 standard;

RNA; 17

ABK17920;

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2120 ccaceeeeccecaeree 2136

CCACCGGGCCGCAGTGG 17

Query Match Best Local S Matches 16

Similarity

0.6%;

Score 15.4; Di Pred. No. 42; 0; Mismatches

DB 1;

Length 17; Indels

Gaps

0

Conservative

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The present invention relates to human testis expressed Patched like CC protein (HTPL, see ABV8875) to ABV8875 and ABB98519 to ABB98520). HTPL CC has two isoforms, with a few single base pair differences between the two. One of the single base pair changes introduces a premature stop CC codon in HTPL-S (S for short) compared to HTPL-I (L for long). HTPL CS shares an overall structure organisation with the Patched protein. The shared structural features strongly imply that HTPL plays a role similar to that of patched, and is a potential tunour suppressor. HTPL is important in regulating male germ cell development, and the HTPL gene was mapped to human chromosome 10pl2.1. HTPL and its coding sequence are useful for diagnosing a disorder caused by mutation in HTPL, and in therapy and manufacture of a medicament for treatment or prevention of such disorder associated with decreased expression or activity of human HTPL. Such disorders include disorders of testis, or adrenal, adult and foetal liver, bone marrow, brain, kidney, lung, placenta, prostate, skeletal muscle or colon function. HTPL proteins and nucleic acids are clinically useful diagnostic markers and potenial therapeutic agents for male infertility and cancer. The present oligonucleotide was used in an or example from the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            30-JAN-2001; 2001WO-US000663.
30-JAN-2001; 2001WO-US000664.
30-JAN-2001; 2001WO-US000667.
30-JAN-2001; 2001WO-US000667.
30-JAN-2001; 2001WO-US000668.
30-JAN-2001; 2001WO-US000669.
23-MAY-2001; 2001WO-US000669.
23-MAY-2001; 2001WS-03864761.
09-OCT-2001; 2001US-0327898P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Novel isolated human testis expressed Patched like protein (HTPL), useful for identifying agonist and antagonist and specific binding partners, and for treating subjects having defects in HTPL.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human; gene therapy; tumour suppressor; HTPL; chromosome 10p12.1; human testis expressed Patched like protein; testis; adrenal; liver; male germ cell development; bone marrow; brain; kidney; lung; placenta; prostate; skeletal muscle; colon; male infertility; cancer; ss.
  Sequence 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Example 2; Page 86; 718pp; English.
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BP; 2 A;
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7 C; 7
G; 1 T; 0
U; 0 Other;
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Human 09-APR-2002

ERG

(first

entry)

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В
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                                                                                                                                                       Weber syndrome, Kippel-Trenaulay-Weber syndrome, Osler-Weber-rendu CC Syndrome, I enkemia, osreoporosis and wound healing. (I) is useful for treating a patient having a condition associated with the level of ERG, by contacting cells of the patient with (I) under conditions suitable for the treatment. The method comprises the use of one or more therapies cunder conditions suitable for the treatment. Leukaemia or tumour conjunction with one or more of other therapies such as radiation or conjunction with one or more of other therapies such as radiation or conjunction with one or more of other therapies such as radiation or conjunction with one or more of other therapies such as radiation or conjunction with one or more of other therapies such as radiation or conjunction with one call with (I). (I) is useful for cleaving RNA of cell, by contacting the cell with (I). (I) is useful for cleaving RNA of ERG gene, by contacting (I) with RNA, in the presence of a divalent cation such as Mg2+. (I) is useful for diagnosis of conditions and conjunction such as Mg2+. (I) is useful for diagnosis of conditions and conjunction such as Mg2+. (I) is useful for diagnosis of conditions and conjunction of ERG RNA in a cell. (I) is useful for specifically conjunctions and such as many specifically conjunctions are the conjunction of ERG research mucleic acide, including antisense and conjunction conjunctions of the invention conjunction of ERG, and conjunction of the invention
                                                                          Query Match
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Matches 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The invention relates to a nucleic acid molecule (I) which down regulates expression of an Ets-related gene (ERG). (I) is useful for treating conditions selected from cancer, lymphoma, Ewing's sarcoma, melanoma, tumour angiogenesis, diabetic retinopathy, macular degeneration, neovascular glaucoma, myopic degeneration, arthritis, psoriasis, verruca yulgaris, angiofibroma of tuberous sclerosis, port-wine stains, Sturge
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ophthalmological; antiarthritic; antipsoriatic; virucide; osteopathic; vulnerary; cancer; lymphoma; Ewing's sarcoma; melanoma; psoriasis; tumour anglogenesis; diabetic retinopathy; macular degeneration; neovascular glaucoma; myopic degeneration; arthritis; verruca vulgaris angiofibroma of tuberous sclerosis; port-wine stain; wound healing; Sturge Weber syndrome; Kippel-Tranaunay-Weber syndrome; leukaemia; ss; Osler-Weber-rendu syndrome; leukaemia; osteoporosis; DNAzyme; inozyme;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Novel polynucleotide which down regulates expression of Ets-related geruseful for treating cancer, diabetic retinopathy, macular degeneration, arthritis, psoriasis, verruca vulgaris and Sturge Weber syndrome.
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  GCTGGAGGAGGACGCGG 1
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                                                                                               Pred.
                                                                                                                  Score 15.4;
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RESULT 90
ADB98963;

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ADB98963;

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ADB98963;

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ADB98963;

XX
DE LRP5 mutagenic PCR pi
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DE 21-NOV-2002;

PN W0200292000-A2.

XX
DE 21-NAY-2001;
PR 11-MAY-2001;
PR 11-MAY-2001;
PR 11-MAY-2001;
PR 11-MAY-2002;
PR 01-FBB-2002;
PR 01-FB
ARAGO296
ID AAAO
XX AAAO
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KW anti
KW ss:
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Matches 16
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 17 BP; 3 A; 6 C; 6 G; 2 T; 0 U; 0 Other,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            New nucleic acid comprising a mutation in LRP5 or LRP6, useful for diagnosing a HBM-like phenotype in a subject and for preparing a composition for modulating bone mass and/or lipid levels in a subject
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17-MAY-2001; 2001US-0291311.
01-FEB-2002; 2002US-0353058P.
04-MAR-2002; 2002US-0361293P.
                       alpha-2-delta-D; calcium channel; 12p13.3; gabapentin; cytostatic;
anticonvulsant; antimigrane; antiparkinsonian; antidepressant; pri
                                                                                                       Primer
                                                                                                                                                                                                                  AAA09296;
                                                                                                                                                              10-AUG-2000
                                                                                                                                                                                                                                                                      AAA09296 standard; cDNA; 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Disclosure; Page 53; 629pp; English.
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                                                                                                    human
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ilarity 94.1%;
Conservative
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                                                                                                                                                              (first entry)
                                                                                                    alpha-2-delta-D
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RESULT 92
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E Mitogen activated prot
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Best Local Similarity
Matches 16; Conserv
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30-OCT-1998;
29-DEC-1998;
                                                                                                                                                                                                                                                                        short interfering nucleic acid; siNA; downregulation; inhibition; mitogen-activated protein kinase; MAP kinase; MAPK; RNA interference; cytostatic; anorectic; antidiabetic; antiinflammatory; antiasthmatic; immunosuppressive; antibacterial; antirheumatic; antiarthritic; antipsoriatic; gastrointestinal; obesity; diabetes; tumour;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The alpha-2-delta-D gene encodes a calcium channel subunit polypeptide. The gene has been mapped to chromosome 12013.1. This gene and the related alpha-2-delta-C and -B genes are useful for protecting mammalian cells from abnormal calcium flux by introducing expression vectors containing the respective gene into mammalian cells. The antisense genes are also useful for treating or preventing epilepsy. The alpha-delta-2-A protein is a high-affinity binding target of the anti-convulsant drug gabapentin. Therefore, alpha-delta-2-proteins may also be targeted to treat seizure-related syndromes, migraine, attaxia, vestibular defects, othronic pain, sleep interference, anxiety, amyotropic lateral sclerosis (ALS), multiple sclerosis, mania, tremor, parkinsonism, substance abuse or addiction
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New human nucleic acids encoding the alpha2delta-C and alpha2delta-D proteins, useful in the treatment of epilepsy, migraine, chronic pair anxiety, multiple sclerosis or cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    07-OCT-1999;
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                                                                                                                                                                                                                   inflammatory disease; asthma; septic shock; rheumatoid psoriasis; inflammatory bowel disease; drug screening;
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Mitogen activated protein kinase siNA oligonucleotide SEQ ID NO:735.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Claim 22;
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                                                                                                                                                                                          engineering; pharmacogenomic; gene mapping;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Page 76; 88pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Conservative
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98US-0106473P.
98US-0114088P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      depression or cancer
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                compoundating expression of MAPK genes in cells, tissue explants or corganisms by introduction of siNA; (2) kits for in vitro or in vivo condelivery of siNA; (3) conjugates and/or complexes of siNA; and (4) conjugates and/or complexes of siNA; and (4) condelivery of siNA; and cells containing these vectors. MAPK siNAs can be used to modulate the expression of MAPK genes, in cells, contrathritic, antipsoriatic and gastrointestinal activities. The MAPK considered the expression of MAPK genes, in cells, considered the expression of MAPK genes, in cells, considered the explants or organisms, e.g. for treating obesity; diabetes types I condelie shock, rheumatoid arthritis, psoriasis and inflammatory bowel disease. They can also be used for drug screening; diagnosis; target condentification and validation; genetic engineering; pharmacogenomics; studying gene function and gene mapping (e.g. of single-nuclectide collymorphisms). The present sequence represents a MAPK siNA which is used in the exemplification of the present invention.
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Best Local S
Matches 16
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11-MAR-2002; 2002US-0363124P.
06-JUN-2002; 2002US-0386782P.
29-AUG-2002; 2002US-0406784P.
05-SEP-2002; 2002US-0408378P.
09-SEP-2002; 2002US-0408378P.
15-JAN-2003; 2003US-0440129P.
                      short interfering nucleic acid; siNA; downregulation; inhibition mitogen-activated protein kinase; MAP kinase; MAPK; RNA interfer cycostatic; anorectic; antidiabetic; antiinflammatory; antiasthm immunosuppressive; antibacterial; antirheumatic; antiarthritic; antipsoriatic; gastrointestinal; obesity; diabetes; tumour; inflammatory disease; asthma; septic shock; rheumatoid arthriti; psoriasis; inflammatory bowel disease; drug screening; psoriasis; inflammatory bowel disease; drug screening;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New short interfering nucleic acid, useful e.g. for treatment and diagnosis of cancer, downregulates expression of mitogen-activated
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                                                                                                                                                                                                                                                                                                         Mitogen activated protein kinase siNA oligonucleotide SEQ
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16; Conserv
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No. 57;
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                                                                                                                                                                                          A interference;
antiasthmatic;
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XX AAF52
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Matches 11
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11-MAR-2002;
06-JUN-2002;
29-AUG-2002;
29-SEP-2002;
05-SEP-2002;
09-SEP-2002;
15-JAN-2003;
Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic; cytostatic; dermatological; cardiant; virucide; ophthalmological; keloid; skin disorder; Insulin-like Growth Factor 1 receptor; IGF-1; pityriasis; IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris;
                                                                                                         30-MAR-2001
                                                                                                                                       AAF52822;
                                                                                                                                                                      AAF52822 standard;
                                                                                                                                                                                                                                                                                                                                                                         Sequence 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New short interfering nucleic acid, diagnosis of cancer, downregulates
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                                                                          IGF-I oligonucleotide #3782
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                                                                                                                                                                                                                                                                                                             11;
                                                                                                                                                                                                                                                                                                                          Similarity
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2002US-0363124P.
2002US-0386782P.
; 2002US-0406784P.
2002US-0408378P.
; 2002US-0409293P.
; 2003US-0440129P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             , useful e.g. for treatment and expression of mitogen-activated
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                                                                                                                                                                                                                                                                                                        Gaps
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RESULT 95
AAF02814/c
ID AAF028
XX AAF028
XX AAF028
XX DT 16-FBE
XX Hammer
XX KW Ribozy
KW interf
XX XX
XX XX W02000
PD 19-OCT

Hammerhead

ribozyme substrate #1109.

16-FEB-2001

(first

entry)

AAF02814;

AAF02814 standard; DNA; 17

₽₽

Ribozyme; erythropoietin; interferon alpha; ss.

granulocyte

colony

stimulating

WO200061729-A2

밁 Ş

1232 GCATGTGCTGGCAGT 1246

15

l Similarity 15; Conserva

Conservative

0,

Mismatches

0

Indels

, , Gaps

0

100.0%;

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The present invention relates to a method for ameliorating the effects of CC skin disorders. The method comprises contacting the skin with an CC antisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1 CC receptor, IGF binding protein [IGFB9]-2 or IGFB9], which is capable of inhibiting or reducing protein [IGFB9]-2 or IGFB9], which is capable of continuation and/or other disorders. The present sequence is an CC oligonucleotide which can be used to design the antisense CC oligonucleotide which can be used to design the antisense CC oligonucleotides of the present invention (see AAF45151 and AAF45153-CC parameters, privates, ruba, pilaris, serborrhoea, keloids, keratosis, CC inthyposis, pityriasis, ruba, pilaris, serborrhoea, keloids, keratosis, CC inthyposis, pityriasis, ruba, pilaris, serborrhoea, keloids, keratosis, CC hyperneovascular condition such as a neovascular condition of the retina, brain or skin, growth factor-mediated malignancies, other sclerotic cCC diease, kidney disease, hyperproliferation of the inside of blood coversels or any other hyperplasia
Query Match
Best Local S
Matches 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Ameliorating the effects of a disorder, e.g. psoriasis, by administering UV (ultra-violet) treatment (optional) and an antisense nucleic acid that inhibits or reduces growth factor mediated cell proliferation and/or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Homo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease; hyperneovascular condition; hyperplasia; kidney disease; neovascular condition of the retina; ss.
                                                                        Sequence 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2001-041421/05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Wraight
                                                                                                                                                                                                                                                                                                                                                                                                        Example
                                                                                                                                                                                                                                                                                                                                                                                                                                             inflammation.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   21-JUN-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ર
દ
                                                                                                                                                                                                                                                                                                                                                                                                      8; Page 85;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MURDOCH CHILDRENS RES
                                                                      BP; 2 A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Werther GA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2000WO-AU000693
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                                                                                                                                                                                                                                                                                                                                                                                                    201pp; English.
                                                                      3 C; 6 G; 4 T; 0
                                 0.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Edmondson
               Score 15;
Pred. No.
                                                                      ٠;
0
                                 DB 1;
                                                                      Other;
                                 Length 15;
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AAZ22430/

ID AAZ2

XX AAZ2

AC AAZ2

AC AAZ2

XX Antii

XX Huma

KW Huma

KW Brea

OS Synt

OS Synt

OS Homo

XX US59

XX 18-S

XX 18-S

XX (ISI

XX COSW

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XX X Antii

PT dise

PT dise

XX Clai
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Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The present invention relates to enzymatic and antisense nucleic acid molecules that act as inhibitors of the expression of repressor genes encoding the TR2 Orphan receptor, EAR3/COUP-TF-1, the GAMA transcription factor gene, IRF-2 and/or the CAATT Displacement Protein (CDP). Inhibition of the repressors removes prevents inhibition (and consequently increases expression of) genes involved in the production of erythopoietin, granulocyte colony stimulating factor protein and
                        Claim 3; Col 28; 24pp; English.
                                                            Antisense
                                                                                                            Coswert
                                                                                                                                                                                 18-SEP-1998;
                                                                                                                                                                                                         05-OCT-1999
                                                                                                                                                                                                                                 US5962672-A
                                                                                                                                                                                                                                                                                          Human; RhoB protein; antisense oligonucleotide; disease; RhoB expression; breast cancer; primer; phosphorothioate; ss.
                                                                                                                                                                                                                                                                                                                              Antisense oligonucleotide directed against human RhoB mRNA
                                                                                                                                                                                                                                                                                                                                                      25-NOV-1999
                                                                                                                                                                                                                                                                                                                                                                               AAZ22430;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 17 BP; 0 A; 9 C; 1 G; 7 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Claim 37; Page 81; 164pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Enzymatic and antisense nucleic acid inhibition of repressor genes, useful for producing e.g. granulocyte colony stimulating factor protein, interferon alpha and erythropoietin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Blatt L,
                                                                                                                                   (ISIS-)
                                                                                                                                                         18-SEP-1998;
                                                                                                                                                                                                                                                         Homo
                                                                                                                                                                                                                                                                                                                                                                                                      AAZ22430
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       interferon alpha
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        11-APR-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 12-APR-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1883
                                                                                     1999-571296/48
                                                                                                                                                                                                                                                        sapiens.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                  16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                l Similarity
15; Conserv
                                                                                                                                  SISI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RIBOZYME PHARM INC
                                              associated with RhoB expression e
                                                                                                                                                                                                                                                                                                                                                                                                      standard; DNA; 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GGAGGAGGACGAGGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GGAGGAGGACGAGGA 1897
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Zwick M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2000WO-US009721
                                                                                                                                   PHARM INC
                                                                                                                                                                                                                                                                                                                                                      (first
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 99US-0129390P
                                                                                                                                                         98US-00156979
                                                                                                                                                                                  98US-00156979
                                                                                                                                                                                                                                                                                                                                                      entry
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0.6%;
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Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mcswiggen
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DB 1;
51;
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                                              RhoB, usefu
e.g. breast
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                                                            useful
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Indels
                                                 cancer
                                                          for treating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0
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AAZ22392-Z22431 represent antisense oligonucleotides, which

are

8-30

Query Match 0.6%; Best Local Similarity 88.9%; Matches 16; Conservative

0; Mismatches

Score 14.8; Pred. No. 6

BB

<u>ب</u>

Length 18;

Indels

0;

Gaps

0

Sequence 18

BP; 4 A; 5 C; 6 G; 3 T; 0 U; 0 Other;

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RESULT 97
RAF94683/c
ID 94683/c
XX AAF946
XX AAF946
XX AAF946
XX Rho; G
XX R
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888
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Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Matches
                                                    This invention relates to an antisense compound targeted to a nucleic acid molecule encoding a member of the human Rho family of small GTP binding proteins, where the antisense compound inhibits the expression of the member of the human Rho family. The invention includes antisense coligonucleotides AAF94580 - AAF94637 which target a RhoA nucleotide sequence, AAF94654 - AAF94684 which target a RhoB nucleotide sequence, AAF94725 which target a RhoC nucleotide sequence, AAF94727 - AAF94786 which target RhoG nucleotide sequence, AAF94796 - AAF94790 which target a Rac 1 nucleotide sequence and AAF94795 - AAF94790 which target a RhoC nucleotide sequence, AAF94795 which target a RhoC nucleotide sequence, AAF94795 which target a RhoC nucleotide sequence and AAF94795 which target nucleotide sequence. The antisense compound is useful for treating the provided that the conditions, especially cancer, abnormal wound healing or clotting conditions and ischaemia/reperfusion or recaygenation injury. The compound may also be used to diagnose the above conditions
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      nucleotides in length, and are targeted to the gene encoding human The antisense oligonucleotides may be useful for treating diseases associated with the expression of RhoB, such as breast cancer. They also have research and diagnostic applications
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      An antisense compound targeted to a nucleic acid molecule encoding a member of the human Rho family of small GTP binding proteins useful for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Example 13;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Roberts ML,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      31-AUG-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                08-MAR-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WO200115739-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              cancer; wound healing; clotting; ischaemia; reperfusion; reoxygenation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Rho B antisense phosphorothioate oligonucleotide SEQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     23-MAY-2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (ISIS-) ISIS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     18-AUG-2000; 2000WO-US022808.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1251 CGGCTGCAGCAACAGCTG 1268
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GTP binding protein; phosphorothioate; RhoB; RhoC; RhoG; Rac 1; cdc42; hyper
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2001-191677/19.
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16; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         e.g.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           standard;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Page 65; 156pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 BP; 4 A; 5 C; 6 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               cancer and ischemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          9908-00387341
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DNA; 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0.6%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         14.8;
No. 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     noate antisense oligonucleotide; hyperproliferative condition;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            600
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RESULT 98
ABK507
AC ABK50
AC ACPM
AC A
                                                       RESULT 99
ADA27360
ID ADA27
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                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local S
Matches 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The invention relates to production of Acremonium chrysogenum cephalosporin C-acetyl hydrolase (CPC-AH) and its utilisation in the synthesis of deacetylated derivatives of cephalosporin C (CPC) and the inactivation of the gene for increasing production of cephalosporin. Derivatives and/or their synthesis intermediates can be synthesised by growing a microbial host transformed with a DNA sequence that includes the cahB gene encoding A. chrysogenum CPC-AH, under conditions where it is either expressed or inactivated. The genes and proteins are used for removal of acetyl groups, especially from the 3'-carbon of CPC or from 7-aminocephalosporanic acid, to give deacetylated products useful as intermediates for cephalosporin antibiotics. Inactivation of the gene that expresses CPC increases production of cephalosporins by A. chrysogenum. This sequence represents a PCR primer used to clone the cahB gene encoding A. chrysogenum CPC-AH
ADA27360;
                                                       ADA27360 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 18 BP; 2 A; 4 C; 11 G; 1 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Microbial production of cephalosporin C or its derivatives, useful as intermediates for antibiotics, in cells transformed with a gene encoding CPC (cephalosporin C)-acetylhydrolase.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Campoy Gardia S,
Martin Martin JF;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Velasco Alvarez J, Gutierrez Martin S, Casqueiro Blanco FJ;
Campoy Garcia S, Fierro Fierro F, Barredo Fuente JL, Diez Garcia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Cephalosporin C-acetyl hydrolase; CPC-AH; cephalosporin C; cahB; 7-aminocephalosporanic acid; ss; PCR.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 2; Page 50; 64pp; Spanish
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           19-0CT-2000
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (ANTI ) ANTIBIOTICOS SAU
                                                                                                                                                                                                                                                                                                                                        Local Similarity 88.9
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                                                                                                                                                                                                                                                                      GAGGCCGGCGAGGTGGAG 1838
                                                                                                                                                                                                                 GAGGCCGGCGACGTGGGG 18
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                                                           DNA;
                                                                                                                                                                                                                                                                                                                                                                  0.6%;
                                                           18
                                                           BP
                                                                                                                                                                                                                                                                                                                                    0,
                                                                                                                                                                                                                                                                                                                              Score 14.8; D
Pred. No. 65;
0; Mismatches
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ADS78536
ID ADB785
AC ADB785
AC ADB785
XX O4-DEC
XX Probe
XX Probe
XX human
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Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The invention relates to an oligonucleotide primer capable of specifically hybridising to a DNA having the sequence of the flanking regions of a microspatellite selected from M2-4-9, M2-2-9, M2-2-12, M2-3-11, M2-2-20, M2-2-21, M2-2-22, M2-2-23, M2-2-24, M2-4-25, M2-4-26, M2-2-29, M2-2-32, M2-4-37, M2-4-37, M2-3-32, M2-2-36, M3-5-11, M2-2-39, M2-2-36, M2-4-37, M2-4-37, M2-3-36, M2-5-11, M2-2-39, M2-2-36, M2-5-11, M2-2-36, M2-3-36, M
                                                                                                                                                                                     human leukocyte
                                                                                                                                 Synthetic
                                                                                                                                                                                                                                      Probe sequence #39 related to the invention.
                                                                                                                                                                                                                                                                                          04-DEC-2003
                                                                                                                                                                                                                                                                                                                                            ADB78536;
                                                                                                                                                                                                                                                                                                                                                                                             ADB78536 standard; DNA; 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 18 BP; 7 A; 0 C; 11 G; 0 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                microsatellite repeat M2_3_4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New oligonucleotide primer capable of specifically hybridizing to a DNA having the sequence of the flanking regions of a microsatellite (e.g. M249), useful for HLA-related research, e.g. transplantation matching.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ds; HLA-related research; HLA class II-associated disease;
transplantation matching; recombination hot spot identification;
linkage disequilibrium study; human; microsatellite.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Example 2; Page 5; 20pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2003-616782/58.
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16; Conservat
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                                                                                                                                                                                                                                                                                          (first
                                                                                                                                                                                     antigen;
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                                                                                                                                                                                                                                                                                     entry)
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                                                                                                                                                                                     HLA;
                                                                                                                                                                                                                                                                                                                                                                                             ВP
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Pred. No. 6
                                                                                                                                                                                     probe;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1;
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03-APR-2003

WO2003027309-A2

24-SEP-2001; 2001US-0324421P

24-SEP-2002;

2002WO-US030238

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RESULT 101
AAD26693/c
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Best Local S
Matches 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The present invention relates to the detecting of a target nucleic acid sequence on a sample nucleic acid strand. The methods are useful for detecting the presence or absence of target nucleic acid sequences on sample nucleic acid strands that are characteristic of pathogens or gene variations and mutations relating to human leukocyte antigen (HIA) or Technically inherited diseases or detecting infectious organisms in gissues. The diagnostic probes are useful for detecting the presence of particular target nucleotide sequences. The present invention provides improved methods of detecting sample/target nucleic acid sequences, where number of alleles detected, which increases the resolution of the method, and does so at a lower cost. The present sequence a probe of
         WPI; 2002-089915/12
                                                                                                             23-MAY-2001; 2001WO-US016908.
                                                                                                                                    29-NOV-2001.
                                                                                                                                                               WO200190124-A2
                                                                                                                                                                                       Homo
                                                                                                                                                                                                              Human; G-protein coupled receptor 31; GPR31 protein; haplotyping; genotyping; gene therapy; cancer; polymorphism; ASO; primer; allele-specific oligonucleotide; ss.
                                                                                                                                                                                                                                                                 Human GPR31
                                                                                                                                                                                                                                                                                        26-MAR-2002
                                                                                                                                                                                                                                                                                                                                          AAD26693 standard; DNA; 15 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Detecting the presence of a target nucleic acid sequence on a sample nucleic acid strand, useful for human leukocyte antigen tissue typing, comprises contacting a sample with a diagnostic probe under hybridizing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2003-363216/34
                                                                                  23-MAY-2000; 2000US-0206572P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   invention.
                                                                                                                                                                                      sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                          16;
                                                                                                                                                                                                                                                                                                                                                                                                         GENAISSANCE PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Similarity
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                                                                                                                                                                                                                                                               gene
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          BP; 1
                                                                                                                                                                                                                                                                                        (first entry)
                                   Duda
                                                                                                                                                                                                                                                               polymorphism detecting ASO primer #16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          A; 4 C; 11 G; 2 T; 0 U;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                    88.9%;
                                    Kazemi
                                                                                                                                                                                                                                                                                                                                                                                                                                                         0; Mismatches
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Pred. No. 65;
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                                    Lee
                                    臣,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 BB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0 Other;
                                    Messer C;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                         2;
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Novel genetic variants of G-protein coupled receptor studying expression and function of the protein, and to treat diseases e.g. cancer. gene useful in for screening drugs

Claim 16; Page 13; 75pp; English

c expression and function of GPR31, and in expressing GPR31 activity and in streening candidate drugs to treat diseases related to GPR31 activity and in studying the effect of the variation on the biological activity of GPR31 as well as on the binding affinity of candidate drugs targetting GPR31 as well as on the binding affinity of candidate drugs targetting GPR31 for the treatment of cancer. They are also used in gene therapy. The happlotyping method is useful for improving the efficiency and trugs for treating diseases associated with GPR31 gene to drugs for treating diseases associated with GPR31 gene in an individual, which can also be used by the pharmaceutical research scientist to validate GPR31 as a candidate target for, and in design of clinical trials of candidate drugs, for treating a specific condition drugs or disease predicted to be associated with GPR31 activity. The present sequence is an allele specific oligonucleotide (ASO) primer used to detect human receptor 31 (GPR31) gene. The invention also relates to compositions and methods for haploryping and/or genotyping the GPR31 gene in an individual. Polymucleotides of the invention are useful in studying the GPR31 gene polymorphisms The invention relates to genetic variants of human G-protein coupled receptor 31 (GPR31) gene. The invention also relates to compositions tor use and 0

Sequence 15 BP; 4 A; 3 C; 6 G; 1 T; 0 U; 1 Other;

片 Ś Query Match Best Local S Matches 14 2106 ¢G¢TTÇ¢TG¢TÇGAÇ 2120 15 14; Similarity CRCTTCCTGCTGGAC 1 Conservative 93.3%; <u>,</u> Score 14.6; Pred. No. 44 Mismatches BG 1; Length 15; 0 Indels 0 Gaps 0

RESULT 102

AAT76198 standard; DNA; 16 ВP

AAT76198

12-SEP-1997 (first entry)

Human IL4 receptor antisense oligonucleotide

Asthma; airway epithelium; adenosine free; cystic fibrosis; chronic obstructive pulmonary disease; bronchitis; interleukin; ss.

Synthetic

WO9640162-A1

19-DEC-1996

06-JUN-1996; 96WO-US009306

07-JUN-1995; 95US-00474497

(UYEC-) UNIV EAST CAROLINA

Ä Metzger WJ;

WPI; 1997-051871/05

AAT76198/c
ID AAT761
XX
AC AAT761
XX
XX AAT761
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ASCHUMAN
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ASCHUMAN
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XX
ASCHUMAN
X Treatment of airway diseases such as asthma - by topically applying adenosine-free antisense oligo:nucleotide to airway epithelium of

Example 5; Page 30; 71pp; English

A method for treating airway disease in a subject has been produced

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RESULT 103
ABK67989
ID ABK679
XX ABK679
XX ABK679
XX Mutant
XX Mutant
XX Mutant
XX Mutant
XX Mutant
XX Mo200;
XX Synth
XX W0200;
XX W0200;
XX W0200;
XX W0200;
XX W0200;
XX W0200;
XX W71
PD 04-API
XX (MITU
PF 26-SEI
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Best Local S
Matches 15
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                          The present invention relates to a new method of constructing a mutant DNA library. The method of the invention involves ligating unit domain DNAs in arbitrary combinations, mixing the ligated unit domains and performing polymerase chain reaction (PCR) by employing the ligated unit domain DNA mixture as a template to obtain a DNA library containing 2 or more clones. The method can be used for constructing a mutant DNA library which is for use in producing e.g. protein library, mutant proteins and artificial amino acid sequences with desirable functional properties with a combination of unit domains. The method can also be used for selectively splicing a library to yield mutant proteins with retention of function and smaller for wider application and in evolution molecular engineering in which the constructed mutant DNA library contains various by the process including a province account of the production which the constructed mutant DNA library contains various that accounts in the constructed mutant DNA library contains various that accounts in the constructed mutant DNA library contains various that accounts in the constructed mutant DNA library contains various that accounts in the constructed mutant DNA library contains various that accounts in the constructed mutant DNA library contains various that are constructed mutant DNA library contains various that are constructed mutant DNA library contains various that are constructed mutant DNA library contains that DNA library
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Pred. No. 57;
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                     The present invention describes nucleic acid molecules which modulate the synthesis, expression and/or stability of a mRNA encoding 1 or more receptors of vascular endothelial growth factor (VEGF). A patient (preferably human) having a condition associated with the level of the fins-like tyrosine kinase 1 (flt-1), kinase insert domain containing receptor (KDR) and/or foetal liver kinase 1 (flk-1) (e.g. tumour angiogenesis, ocular diseases, psoriasis and rheumatoid arthritis) can be treated by administering the nucleic acid molecule or the expression vector to the patient. AAX67275 to AAX75752 represent specific examples of nucleic acid molecules from the present invention
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                                                                                                                                                                                                                Nucleic acid molecule modulating VEGF receptor(s) gene exp stability - useful for treating e.g. tumour angiogenesis, rheumatoid arthritis, etc., in a human patient.
                                                                                                                                                                                                                                                                                                                                     (RIBO-)
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                                                                                                                                                                                       Claim 4; Page 126; 218pp; English.
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96US-00584040.
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Pred. No. 57;
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capable of modulating a process in a biological system. The method capable of modulating a process in a biological system. The method comprises: (a) introducing into the system a random library of nucleic acid catalysts (NAC) having a substrate binding domain (SBD), comprising a random sequence, and a catalytic domain (CD); and (b) identifying NAC in systems where modulation has occurred and/or determining the sequence of at least part of the SBDs in such systems. Nucleic acid molecules with endounclease activity and catalytic activity, from the present invention, are used to modulate gene expression in plant and mammalian cells and to cleave target nucleic acid, particularly for treating systemic diseases caused by specific RNA, e.g. cancer, inflammation, psoriasis, non-hepatic ascites and infection. They may also be used to detect genetic drift and mutations in diseased cells and to determine c-raf RNA. Specifically NACs with RNA-cleaving activity that modulate expression of the Raf gene, are used to treat cancer, restemosis, psoriasis or rheumatoid arthritis, or generally any condition associated with the level of c-raf. Introduction of sugar/phosphate modifications increases stability against muclease and activity. ANY09022 to ANY0387 represent NACs that can be used in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Identifying new catalytic nucleic acid especially ribozymes that cleave Raf restenosis, and also new ribozymes and used as antiviral agents and synthons.
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03-JUL-1997;
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05-NOV-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              22-AUG-1997;
02-OCT-1997;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (RIBO-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          inflammation;
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J, Workman CT,
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Beigelman L, Mcswiggen
I. Workman CT, Beaudry
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97US-0051718P.
97US-0056808P.
97US-0061321P.
97US-0061324P.
97US-0064866P.
97US-0068212P.
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, Karpeisky A
Sweedler D;
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d nucleoside triphosphates
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Matches 15
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The invention relates to a nucleic acid molecule which down regulates expression of a CD20 gene and a nucleic acid molecule which down regulates expression of a neurite growth inhibitor gene (NOGO). The nucleic acids may be enzymatic nucleic acids (e.g. a ribozyme or a DNAzyme) an Inozyme (an endolytic nucleic acid cleaving an RNA molecule possessing an NCH motif), a G-cleaver (cleaving RNA with a NYN motif) prossessing an NCH motif), a G-cleaver (cleaving RNA a zinzyme (cleaving RNA with a YGY motif). The CD20-targetting nucleic acid is used to cleave RNA of CD20 in the presence of a divalent cation that is preferably Mg^22+.
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28-FEB-2000; 2000US-0185516P
06-MAR-2000; 2000US-0187128P
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                                                                                                                                                                                                                                                                                                                                                                                                                                    Nucleic acid molecules,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (RIBO-)
(BLAT/)
(MCSW/)
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                                                                                                                                                                                                                                                                                        88; Page 131; 200pp; English
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                                                                                                                                                                                                                                                                                                                                               inhibitor gene useful for l nervous system injury.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     BLATT L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mcswiggen J,
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W
                                                                                                                                                                                                                                                                                                                                                                       cules, e.g., enzymatic nucleic acids and antisense down regulate expression of a CD20 gene or neurite gene useful for treating, e.g., lymphoma, leukemia,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            6 C;
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                                                                                                                                   11-FEB-2000;
28-FEB-2000;
06-MAR-2000;
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   (RIBO-)
(BLAT/)
(MCSW/)
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       RIBOZYME PHARM
BLATT L.
MCSWIGGEN J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Conservative
                                                                                                                                   2000US-0181797P
2000US-0185516P
2000US-0187128P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0.6%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 14.4;
Pred. No. 6
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Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      neurodegenerative disease
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The invention relates to a nucleic acid molecule which down regulates CC expression of a CD20 gene and a nucleic acid molecule which down considerable of a CD20 gene and a nucleic acids (e.g. a ribozyme (AD20). The CC nucleic acids may be enzymatic nucleic acids (e.g. a ribozyme or a CD NAzyme) an Inozyme (an endolytic nucleic acid cleaving an RNA molecule possessing an RNA motif), a G-cleaver (cleaving RNA with a NWI motif) processing an RNA molecule considerable with a VGY motif). The CD20 taxpetting nucleic acid is used to cleaving RNA with a VGY motif). The CD20 taxpetting nucleic acid is used to cleave RNA of CD20 in the presence of a divalent cation that is preferably MGY2+.

CC Furthermore, it may be contacted with a cell to reduce CD20 activity of the cell and treat a patient having a condition associated with the level of CD20. The treatment may further comprise the use of one or more considered in the contacted with a CD20 taxpetting nucleic acid may be used to creat lymphoma, leukaemia, B-cell lymphoma, low-grade or follicular NHL, lymphocytic conditions associated with the level conditions of the NGC0. The treatment may further comprise the use of one or more considered that the presence of a divalent cation that is preferably MG2+. Furthermore, the nucleic acid may be contacted with a cell to reduce NGC0 gene in the contacted acid may be contacted with a cell to reduce NGC0 activity of the nucleic acid may be used to cleave RNA of the NGC0 activity of the contacted with a cell to reduce NGC0 activity of the nucleic acid may be used to cleave RNA of the NGC0 activity of the contacted with a cell to reduce NGC0 activity of the contacted with a cell to reduce NGC0 activity of the contacted with a cell to reduce NGC0 activity of the contacted with a cell to reduce NGC0 activity of the contacted with a cell to reduce NGC0 activity of the contacted with a cell to reduce NGC0 activity of the contacted with a cell to reduce NGC0 activity of the contacted with a cell to reduce acid may be used to condition 
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Nucleic acid molecules, e.g., enzymatic nucleic acids and antisense constructs, which down regulate expression of a CD20 gene or neurite growth inhibitor gene useful for treating, e.g., lymphoma, leukemia, central nervous system injury.
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RESULT 108
ABA78078/c
ID ABA780
XX ABA780
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Best Local :
 adenomatous polyposis of the colon; Factor VII; Factor IX; thrombosis; haemophilla; alpha thalassaemia; haemoglobin alpha locus 1; MIHI; AFOE mismatch repair; MSH2; MSH6; hyperlipidaemia; apolipoprotein E; LDLR; familial hypercholesterolaemia; UGT1; syndrome; APP; PSEN1; antisense;
mismatch repair; MSH2; MSH6; hy; familial hypercholesterolaemia;
                                                                         cyclin-dependent kinase
                                                                                         Human; gene therapy; adenosine retinoblastoma; BRCA1; BRCA2; C
                                                                                                             Human;
                                                                                                                                                                                    24-JAN-2002
                                                                                                                                                                                                                                                         ABA76078 standard; DNA; 17
                                                                                                                                                                                                                          ABA78078;
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                                                                                                                                                                                                                                                                                                                                                         GGAGGAGGAAGAGGAG 17
                                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
                                                                                                                                                                                  (first entry)
                                                                                                                                              correcting
                                                                                                                                                                                                                                                                                                                                                                                                                                                93.8%;
                                                                   enosine deaminase deficiency; p53; beta-globin; BRCA2; CFTR; cystic fibrosis; cancer; Factor V; inhibitor 2A; CDKN2A; melanoma; APC, HBA1; HBA2;
                                                                                                                                              oligonuclectide SEQ ID NO: 924.
                                                                                                                                                                                                                                                           ВP
                                                                                                                                                                                                                                                                                                                                                                                                                                0
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Pred. No. 67;
                                                                                                                                                                                                                                                                                                                                                                                                                              Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                1;
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                                       APOE;
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17

BP;

7 A,

0

C; 10 G; 0 T; 0 U;

0 Other;

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RESULT 109
ABA78077
ID ABA780
XX ABA780
AC ABA780
XX BRCA1
XX BRCA1
XX BRCA1
XX Cretinc
XW retinc
XW retinc
XW cyclir
XW haemog
XW haemog
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                                                                                                                                                                                                                                                                                                                                                                                                                                      The present invention provides single-stranded oligonucleotides which can complete the targeted alteration of genomic sequences, where the coligonucleotide has at least one mismatch compared with the genomic sequence to be altered. In particular, these sequences are directed at complete the following genes: adenosine deaminase, p53, beta-globin, retinoblastoma, BRCA1, BRCA2, CFTR, cyclin-dependent kinase inhibitor 2A (CDKN2A), APC, Factor V, Factor VIII, Factor IX, haemoglobin alpha locus (CDKN2A), hemoglobin alpha locus 2 (HBA1), haemoglobin alpha locus 2 (HBA2), MLH1, MSH2, MSH6, applipoprotein E (APCE), LDL receptor (LDLR), UDP-glucuronosyltransferase (UGT1), amyloid precursor protein (APC), presenilin-1 (PSEN1) and presenilin-2 (PSEN2). These can be used in the gene therapy of diseases such as cancer, adenosaine deaminase deficiency, cystic fibrosis, company of disease, melanoma, adenomatous polyposis of the colon and correcting coligonucleotides of the invention
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Matches
                                                                                                                                                                                                                                                                                                                                                                               Query Match
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27-MAR-2000;
01-JUN-2000;
30-OCT-2000;
Human; gene therapy; adenosine deaminase deficiency; p53; beta-globin; retinoblastoma; BRCA1; BRCA2; CFTR; cystlo fibrosis; cancer; Factor V; cyclin-dependent kinase inhibitor 2A; CDN2A; melanoma; AFC; HBA1; HBA1; HBA2; adenomatous polyposis of the colon; Factor VII; Factor IX; thrombosis; haemophilia; alpha thalassaemia; haemoglobin alpha locus 1; MLH1; APOE; mismatch repair; MSH2; MSH6; hyperlipidaemia; apolipoprotein E; LDLR;
                                                                                                              BRCA1 mutation
                                                                                                                                                                                                         ABA78077
                                                                                                                                                                                                                                                                                                                                                                                                              Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Claim
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Oligonucleotide for targeted alterations of genetic sequences and for treating cystic fibrosis, comprises at least one mismatch and chemical
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                                                                                                                                                                                                                                                                                                                                                               Local
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                                                                                                                                                                                                                                                                                                                                                1 Similarity
15; Conser
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                                                                                                                                                                                                                                                                                                                                                                                                                17
                                                                                                                                                                                                         standard; DNA; 17
                                                                                                                                                                                                                                                                                                                 GCAGCAACAGCTGGAA 1271
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Page
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; 2000US-0192176P.
; 2000US-0192179P.
; 2000US-0208538P.
; 2000US-0244989P.
                                                                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                                                                                                                              BP; 1
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                                                                                                            correcting oligonucleotide SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                             A;
                                                                                                                                           entry
                                                                                                                                                                                                                                                                                                                                                            0.6%;
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C
                                                                                                                                                                                                                                                                                                                                                                                                              G; 7 T; 0
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Pred. No. 6
                                                                                                                                                                                                                                                                                                                                                Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                              U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                               67;
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                                                                                                              923
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                                                                                                                                                                                                                                                                                                                                                0,
                                                                                                                                                                                                                                                                                                                                               Gaps
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The present invention provides single-stranded oligonucleotides which can compared by the targeted alteration of genomic sequences, where the coligonucleotide has at least one mismatch compared with the genomic sequence to be altered. In particular, these sequences are directed at the following genes: adenosine deaminase, p53, beta-globin, retinoblastoma, BRCA1, BRCA2, CFTR, cyclin-dependent kinase inhibitor 2A (CDKN2A), APC, Factor V, Factor VIII, Factor IX, haemoglobin alpha locus 1 (HBA1), haemoglobin alpha locus 2 (HBA2), MIH., MSH2, WSH6, applipaprotein E (APDS), LDL receptor (LDLR), UDP-glucuronosyltransferase (UGT1), amyloid precursor protein (APC), presenilin-1 (PSEN1) and presenilin-2 (PSEN2). These can be used in the gene therapy of diseases such as cancer, adenosine deaminase deficiency, cystic fibrosis, and alpha locus syndromes. The present sequence is one of the colon and various syndromes. The present sequence is one of the gene correcting coligonucleotides of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Oligonucleotide for targeted alterations of genetic sequences treating cystic fibrosis, comprises at least one mismatch and modification.
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27-MAR-2000; 2000US-01921799.
01-JUN-2000; 2000US-02108538P.
30-OCT-2000; 2000US-0244989P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Claim 7; Page 100;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               haemostatic;
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chemical
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Sequence 17 BP; 7 A; 3 C; 6 G; 1 T; U; 0 Other

8 Query Match Best Local S Matches 15 1256 Similarity GCAGCAACAGCTGGAA 1271 Conservative 93.8%; 0 Score 14.4; Pred. No. 67 Pred. No. 67; ); Mismatches 67; BG 1; Length 17; 0, Gaps 0

밁 ABA78070 N standard; DNA; 17

BRCAl mutation correcting oligonucleotide SEQ ID NO: 916.

(first entry

RESULT 110
ABA78070/c
ID ABA780
AC ABA780
AC ABA780
XX 24-JAN
XX 24-JAN
XX Human;
XW Fetinc
KW retinc
KW retinc
KW retinc
KW retinc
KW redinc
KW denon;
KW haemog Human; gene therapy; adenosine deaminase deficiency; ps; peragravam; retinoblastoma; BRCA1; BRCA2; CFTR; cystic fibrosis; cancer; Factor V; cyclin-dependent kinase inhibitor 2A; CDKN2A; melanoma; APC; HBA1; HBA2; adenomatous polyposis of the colon; Factor VI; Factor IX; thrombosis; adenomatous polyposis of the colon; Factor VI; Factor IX; thrombosis; adenomatous polyposis of the colon; Factor VI; Factor IX; thrombosis;

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RESULT 111
ABA78069
ID ABA7806
XX ABA780
AC ABA780
AC ABA780
AC BA780
AC ABA780
AC ABA
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Best Local Sim:
Matches 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The present invention provides single-stranded oligonucleotides which can be used for the targeted alteration of genomic sequences, where the coligonucleotide has at least one mismatch compared with the genomic sequence to be altered. In particular, these sequences are directed at the following genes: adenosine deaminase, p33, beta-globin, retinoblastoma, BRCA1, BRCA2, CFTR, cyclin-dependent kinase inhibitor 2A (CDKN2A), APC, Factor V, Factor VII, Factor IX, haemoglobin alpha locus (CDKN2A), APC, Factor V, Factor VIII, Factor IX, haemoglobin alpha locus (CDKN2A), APC, Factor VIII, Factor IX, haemoglobin alpha locus (CDKN2A), APC, Factor VIII, Factor IX, haemoglobin alpha locus (CDKN2A), APC, Factor VIII, Factor IX, haemoglobin alpha locus (CDKN2A), MSH6, apolipoprotein S(APCB), LDL receptor (LDLR), UDP-glucuronosyltransferase (UGTI), amyloid precursor protein (APC), presenilin-1 (PSEM1) and presenilin-2 (PSEM2). These can be used in the gene therapy of diseases such as cancer, adenosine deaminase deficiency, cystic fibrosis, haemoghilia, hypercholesterolaemia, thalassaemia, suckle cell anaemia, Alzheimer's disease, melanoma, adenomatous polyposis of the colon and various syndromes. The present sequence is one of the gene correcting coligonucleotides of the invention
Human; gene therapy; adenosine deaminase deficiency; p53; beta-globin; retinoblastoma; BRCAL; BRCA2; CFTR; cystic fibrosis; cancer; Factor V; cyclin-dependent kinase inhibitor 2A; CDN2A; melanoma; APC; HBA1; HBA2; adenomatous polyposis of the colon; Factor VII; Factor IX; thrombosis;
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27-MAR-2000; 2000US-0192179P.
01-UUN-2000; 2000US-0206538P.
30-OCT-2000; 2000US-0244989P.
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                                                                                                                                                          BRCA1 mutation
                                                                                                                                                                                                                                                                                                                                               ABA78069 standard;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                modification
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Similarity
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                                                                                                                                                   correcting oligonucleotide
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                                                                                                                                                                                                                                                                                                                                               DNA.;
                                                                                                                                                                                                                     entry
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No. 6
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RESULT 112
ABNO0936
FD ABNO093
AX ABNO05
XX ABNO05
XX ABNO05
XX UP-MAI
XX UP-MAI
XX Human
XX

ABN00936; 29-MAY-2002

(first

entry)

scanning

SEQ

ID NO:4

sequence

SEQ

ID NO:

hGDMLP-1; heart;

ABN00936 standard;

DNA;

Human; genome-derived myosin-like protein 1; GDMLP-1; muscle; myosin; chromosome 22; gene therapy; vaccine; skeletal muscle disorder; amplicon; screening; ss.

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                                                                                                                            Query Match
Best Local :
                                                               Matches
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27-MAR-2000;
01-JUN-2000;
30-OCT-2000;
                                                                                                                                                       oligonucleotide has at least one mismatch compared with the genomic sequence to be altered. In particular, these sequences are directed at the following genes: adenosine deaminase, p53, beta-globin, retinoblastoma, BRCA1, BRCA2, CFTR, cyclin-dependent kinase inhibitor 2A (CDKNJA), APC, Factor V, Factor VIII, Factor IX, haemoglobin alpha locus 1 (HBA1), haemoglobin alpha locus 2 (HBA2), MLH1, MSH2, MSH6, apolipoprotein B (APCS), LDL receptor (LDLR), UDP-glucuronosyltransferase (UGT1), amyloid precursor protein (APC), presenilin-1 (PSEN1) and presenilin-2 (PSEN2). These can be used in the gene therapy of diseases such as cancer, adenosine deaminase deficiency, cystic fibrosis, haemoghilia, hypercholesteroleemia, thalassaemia, sickle cell anaemia, Alzheimer's disease, melanoma, adenomatous polyposis of the colon and various syndromes. The present sequence is one of the gene correcting oligonucleotides of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 7; Page 99; 294pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Oligonucleotide for targeted alterations of genetic sequences and for treating cystic fibrosis, comprises at least one mismatch and chemical
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             haemophilia; alpha thalassaemia; haemoglobin alpha locus 1; MLH1; APOE mismatch repair; MSH6; Myperlipidaemia; apolipoprotein E; LDLR; familial hypercholesterolaemia; UGT1; syndrome; APP; PSENI; antisense; UDP-glucuromosyltransferase; amyloid precursor protein; presenilin-1; Alzhaimer's disease; cytostatic; antisickling; antianaemic; haemostatin
                                                                                                                            Sequence
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15; Conserv
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GGAGCAACAGCTGGAA
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                                                                                                                                                                                                                                                                                                                                                                                      invention provides single-stranded oligonucleotides which the targeted alteration of genomic sequences, where the
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; 2000US-0192179P.
; 2000US-0208538P.
; 2000US-0244989P.
                                                              Conservative
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                                                                           0.6%; Score 14.4;
93.8%; Pred. No. 6
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17
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                                                               Mismatches
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                                                                                                                                              nucleic acids can be used as probes to detect, characterise and quantify to the provide initial substrates for the recombinant engineering of hGDMLP-1 protein variants having desired phenotypic improvements, and for expressing the proteins. The hGDMLP-1 proteins or polypeptides may be used as immunogens to raise antibodies that specifically recognise hGDMLP-1 proteins, as standards in assays used to determine the concentration and/or amount specifically of hGDMLP proteins, as specific biomolecule capture probes for surface-enhanced laser desorption ionisation, as therapeutic supplement in patients having specific desiriency in hGDMLP-1 production, and in vaccines or for replacement therapy. The polynucleotide sequences encoding hGDMLP-1 may be used for diagnosing a clistorder associated with the expression of hGDMLP-1 in particular heart and skeletal muscle disorders. hGDMLP-1 is localised to chromosome 22. The present sequence represents an oligoner used in the screening of the present invention. N.B. The sequence data for this patent did not form part of the printed printed of the printed specification, but was obtained in electronic format directly from WIPO
                                                                 Query Match
Best Local S
                                                     Matches
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21-SEP-2000;
27-SEP-2000;
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                                                                                                          Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                Disclosure;
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                                                                                                                                     ftp.wipo.int/pub/published_pct_sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      polypeptide, for raising antibodies that recognize hGDMLP-1 proteins, as specific biomolecule capture probes for surface-enhanced laser protein ionization, comprises human myosin-like protein hGDMLP-1.
                            1264 AGCTGGAAGAGGCTGA
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                                                                  Similarity
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AGCTGAAAGAGGCTGA
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                                                     Conservative
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2001WO-US000666.
2001WO-US000667.
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2001WO-US000669.
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Pred. No. 67;
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RESULT 113 ABN02626

Sequence 17 BP; 5 A; 4 C; 6 G;

2 T; 0 U; 0 Other;

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con nucleic acids can be used as probes to detect, characterise and quantify compounded acids in samples, as amplification substrates, to provide initial substrates for the recombinant engineering of hoDMLP-1 compounded in the proteins. The hoDMLP-1 proteins or polypeptides may be expressing the proteins. The hoDMLP-1 proteins or polypeptides may be compounded as immunogens to raise antibodies that specifically recognise hoDMLP-1 proteins, as standards in assays used to determine the concentration can for amount specifically of hoDMLP proteins, as specific biomolecule capture probes for surface-enhanced laser desorption ionisation, as therapeutic supplement in patients having specific deficiency in hoDMLP-1 proteins, and in vaccines or for replacement thrapy. The concentration of disorder associated with the expression of hoDMLP-1, in particular heart can skeletal muscle disorders. hoDMLP-1 may be used for diagnosing a complex muscle disorders. hoDMLP-1 is localised to chromosome 22.

The present sequence represents an oligomer used in the screening of the hoDMLP-1 sequence in the exemplification of the present invention. N.B. the sequence data for this patent did not form part of the printed constitution, but was obtained in electronic format directly from WIPO at the present sequence.
26-MAY-2000;
21-SEP-2000;
27-SEP-2000;
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30-JAN-2001;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                              New polypeptide, for raising antibodies that recognize hGDMLP-1 proteins, or as specific biomolecule capture probes for surface-enhanced laser desorption ionization, comprises human myosin-like protein hGDMLP-1.
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                                                                                                                                                                                                                                                                                                                                                       he present invention describes a human genome-derived myosin-like rotein 1 (hgDMLP-1). The protein and polynucleotide sequences of hgDMLP-can be used in gene therapy and vaccine production. The hgDMLP-1
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2000US-023468PP.

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2000GB-0024223.

2001WO-US000661.

2001WO-US000664.

2001WO-US000664.

2001WO-US000665.

2001WO-US000665.

2001WO-US000667.

2001WO-US000669.

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30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
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30-JAN-2001;
30-JAN-2001;
The present invention describes a human genome-derived myosin-like protein 1 (hGDMLP-1). The protein and polynuclectide sequences of hGDMLP-1 can be used in gene therapy and vaccine production. The hGDMLP-1 nucleic acids can be used as probes to detect, characterise and quantify hGDMLP-1 nucleic acids in samples, as amplification substrates, to provide initial substrates for the recombinant engineering of hGDMLP-1 protein variants having desired phenotypic improvements, and for expressing the proteins. The hGDMLP-1 proteins or polypeptides may be used as immunogens to raise antibodies that specifically recognise hGDMLP-1 proteins, as standards in assays used to determine the concentration and/or amount specifically of hGDMLP proteins, as specific biomolecule capture probes for surface-enhanced laser desorption ionisation, as therapeutic supplement in patients having specific deficiency in hGDMLP-1 production, and in vaccines or for replacement therapy. The
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27-SEP-2000;
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muscle; myosin; chromosome 22; gene therapy;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human GDMLP-1 17-mer scanning SEQ ID NO:5 sequence SEQ ID NO:8658
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       29-MAY-2002
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                                                                                                                                                                                                                                                                                                                                                                                                 Disclosure;
                                                                                                                                                                                                                                                                                                                                                                                                                                                   desorption ionization,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                            v polypeptide, for raising antibodies that recognize hGDMLP-1 proteins,
as specific biomolecule capture probes for surface-enhanced laser
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                                                                                                                                                                                                                                                                                                                                                                                                 8658; 214pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                      comprises human myosin-like
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Pred. No. 67;
0; Mismatches
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The present invention protein 1 (hGDMLP-1).
1 can be used in gene

describes a human genome-derived myosin-like The protein and polynucleotide sequences of therapy and vaccine production. The hGDMLP-1

hGDMLP-

Disclosure; desorption

SEQ ID NO

6392;

214pp;

English

ionization,

e, for raising antibodies that recognize hGDMLP-1 proteins, biomolecule capture probes for surface-enhanced laser ization, comprises human myosin-like protein hGDMLP-1.

2002-179446/23.

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RESULT 115
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Matches
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30-JAN-2001;
30-JAN-2001;
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21-SEP-2000;
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30-JAN-2001;
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2001WO-US000665,
2001WO-US000666,
2001WO-US000667,
2001WO-US000668,
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2001WO-US000670,
2001US-0266860P.
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2000US-0234687P
2000US-0236359P
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93.8%;
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RESULT 116
ABN06399
CC nucleic acids can be used as probes to detect, characterise and quantify hgDMLP-1 nucleic acids in samples, as amplification substrates, to comprove the recombinant engineering of hGDMLP-1 provide initial substrates for the recombinant engineering of hGDMLP-1 provide invariants having desired phenotypic improvements, and for expressing the proteins. The hGDMLP-1 proteins or polypeptides may be used as immunogens to raise antibodies that specifically recognise hGDMLP-1 proteins, as standards in assays used to determine the concentration and/or amount specifically of hGDMLP proteins, as specific biomolecule capture probes for surface-enhanced laser description ionisation, as therefore, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The colymucleotide sequences encoding hGDMLP-1 may be used for diagnosing a colymucleotide sequences encoding hGDMLP-1 may be used for diagnosing a colymucleotide sequences encoding hGDMLP-1 is localised to chromosome 22. The present sequence disorders, hGDMLP-1 is localised to chromosome 22. The present sequence in the exemplification of the present invention. N.B. ChGDMLP-1 sequence in the exemplification of the present invention. N.B. ChGDMLP-1 sequence data for this patent did not form part of the printed consideration, but was obtained in electronic format directly from WIPO at first pub/pub/published_pct_sequence
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Matches 15
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30-JAN-2001; 2001WO-US000665.
30-JAN-2001; 2001WO-US000667.
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21-SEP-2000; 2000US-0234687P.
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2001WO-US000669.
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                   Penn SG,
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                   Hanzel DK,
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Pred. No. 67
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                   Rank DR,
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                   ξ,
                      Shannon
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В δ

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New polypeptide, for raising antibodies that recognize hGDMLP-1 proteins, or as specific biomolecule capture probes for surface-enhanced laser desorption ionization, comprises human myosin-like protein hGDMLP-1.
Disclosure; SEQ ID NO
                                                                                                                                                                                                                                                WPI; 2002-179446/23
6391; 214pp; English.
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CC protein 1 (hGDMLP-1). The protein and polymucleotide sequences of hGDMLP-1 can be used in gene therapy and vaccine production. The hGDMLP-1 cc nucleic acids can be used as probes to detect, characterise and quantify cc provide initial substrates for the recombinant engineering of hGDMLP-1 cc protein variants having desired phenotypic improvements, and for expressing the proteins. The hGDMLP-1 proteins or polypeptides may be used as immunogens to raise antibodies that specifically recognise hGDMLP-1 proteins, as standards in assays used to determine the concentration cc and/or amount specifically of hGDMLP proteins, as specific biomolecule capture probes for surface-enhanced laser desorption ionisation, as charapeutic supplement in patients having specific deficiency in hGDMLP-1 cc production, and in vaccines or for replacement therapy. The proteins and in vaccines or for replacement therapy. The cc polymucleotide sequences encoding hGDMLP-1 may be used for diagnosing a cc disorder associated with the expression of hGDMLP-1, in particular heart cand skeletal muscle disorders. hGDMLP-1 is localised to chromosome 22. The present sequence in the exemplification of the present invention. N.B. Chestification, but was obtained in electronic format directly from WIPO cc at fitp.wipo.int/pub/published\_pct\_sequence sent invention describes a human genome-derived myosin-like 1 (hCDMLP-1). The protein and polynucleotide sequences of J

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               8
                                    Matches
                                            Query Match
Best Local (
                 1602 GCCCCGTGCTTCCAGA 1617
N
                                   l Similarity
15; Conserv
GCCCGTGCTCCCAGA 17
                                    Conservative
                                            93.8%;
                                   0;
                                            Score 14.4;
Pred. No. 67;
                                   Mismatches
                                                     DB 1; Length 17;
                                     Indels
                                     0
                                     Gaps
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0

Sequence 17

BP; 3 A; 8 C; 4 G; 2 T; 0 U; 0 Other;

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RESULT 117
ABNO26
XX ABNO26
XX ABNO26
XX ABNO26
XX Human;
XX Human;
XX Human;
XX Homo s
XX WO2001
XX WO2001
XX WO2001
XX WO2001
XX WO2001
XX FR 25-MAY
PR 27-SEP
PR 27-SEP
PR 27-SEP
PR 30-JAN
PR 30
21-SEP-2000;
27-SEP-2000;
04-OCT-2000;
30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human; genome-derived myosin-like protein 1; GDMLP-1; muscle; myosin; chromosome 22; gene therapy; vaccine; skeletal muscle disorder; amplicon; screening; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            29-MAY-2002
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABN02625 standard; DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WO200192524-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human GDMLP-1 17-mer scanning
                                                                                                                                                                                                                                                                                                                                   26-MAY-2000;
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; 2000US-0207456P.

2000US-0234567P.

2000US-0236359P.

2000GB-00024263.

2001WO-US000661.

2001WO-US000663.

2001WO-US000663.

2001WO-US000663.

2001WO-US000665.
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heart disease;
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RESULT 118
ABNO0936
ID ABNO09
XX ABNO09
XX ABNO09
XX ABNO09
XX Human;
XX Human;
XX Human;
XW muscle
KW skelet
XX Skelet
XX Homo s
XX Hom
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The present sequence in the exemplification of the present invention. N.B. The sequence data for this patent did not form part of the printed consideration, but was obtained in electronic format directly from MIPO at figure in the published_pct_sequence.
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Best Local
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30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
05-FEB-2001;
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                                                                                                                                                                                                    muscle; myosin;
skeletal muscle
                                                                                                                                                                                                                                Human; genome-derived myosin-like protein 1; GDMLP-1; muscle; myosin; chromosome 22; gene therapy; vaccine;
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                                    06-DEC-2001
                                                                                                                                                                                                                                                                                                              Human GDMLP-1 17-mer
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                                                                                       WO200192524-A2
                                                                                                                                              Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           standard;
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2001WO-US000667.
2001WO-US000669.
2001WO-US000670.
2001WO-US000670.
2001US-0266860P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             BP; 6 A; 4 C; 5
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                                                                                                                                                                                                                                                                                                                                                                        (first entry)
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                                                                                                                                                                                                                                                                                                                 scanning
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                                                                                                                                                                                                       e 22; gene
amplicon;
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Pred. No. 67;
0; Mismatches
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                                                                                                                                                                                                                                                                                                                 SEQ ID NO:4 sequence SEQ
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                                                                                                                                                                                                    screening;
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                                                                                                                                                                                                                                   hGDMLP-1; heart;
heart disease;
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RESULT 119
ABNO8668
ID ABNO86
XX
AC ABNO86
XX
DT 29-MAY
XX
DE Human

standard;

DNA; 17

0

29-MAY-2002 ABN08668; ABN08668

(first entry)

Human GDMLP-1 17-mer scanning

SEQ

IJ

NO:5

sequence

SEQ

H

NO:8660

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                                                                                                                                                                                                         The present invention describes a human genome-derived myosin-like protein 1 (hGpMLP-1). The protein and polynucleotide sequences of hGbMLP-1 Cl can be used in gene therapy and vaccine production. The hGbMLP-1 Cl can be used as probes to detect, characterise and quantify Cl fighMLP-1 nucleic acids in samples, as amplification substrates, to Cl grovede initial substrates for the recombinant engineering of hGbMLP-1 Cl protein variants having desired phenotypic improvements, and for Cl used as immunogens to raise antibodies that specifically recognise hGbMLP-1 cuteins or polypeptides may be used as immunogens to raise antibodies that specifically recognise hGbMLP cl proteins, as standards in assays used to determine the concentration and/or amount specifically of hGbMLP proteins, as specific biomolecule capture probes for surface-enhanced laser desorption ionisation, as the respective supplement in patients having specific deficiency in hGbMLP-1 concentration, and in vaccines or for replacement therapy. The polynucleotide sequences encoding hGbMLP-1 may be used for diagnosing a Cl disorder associated with the expression of hGbMLP-1, in patricular heart can discrete represent san oligomer used in the screening of the present sequence in the expression of the present invention. N.B.

The sequence data for this patent did not form part of the printed at the printed of t
                                                                           Query Match
Best Local S
Matches 15
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21-SEP-2000;
27-SEP-2000;
04-OCT-2000;
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30-JAN-2001;
30-JAN-2001;
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30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New polypeptide, for raising antibodies that recognize hGDMLP-1 proteins, or as specific biomolecule capture probes for surface-enhanced laser desorption ionization, comprises human myosin-like protein hGDMLP-1.
                                                                                                                                                            Sequence 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Disclosure; SEQ ID NO 930; 214pp; English.
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30-JAN-2001;
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                                      1265
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                                                                                                Similarity
                                      GCTGGAAGAGGCTGAG 1280
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2000US-023458PP.
2000US-0236359P.
2000US-020662.
2001WO-US000661.
2001WO-US000664.
2001WO-US000664.
2001WO-US000666.
2001WO-US000666.
2001WO-US000667.
2001WO-US000667.
                                                                                                                                                          BP; 5 A; 3 C; 7 G; 2 T; 0 U; 0 Other;
                                                                             Conservative
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Pred. No. 67;
0; Mismatches
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                                                                                 Gaps
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hGDMLP-1; heart;

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                                                                                                                                 The present invention describes a human genome-derived myosin-like CC protein 1 (hdDMLP-1). The protein and polynucleotide sequences of hdDMLP-1 can be used in gene therapy and vaccine production. The hdDMLP-1 cc mucleic acids can be used as probes to detect, characterise and quantify the provide initial substrates for the recombinant engineering of hdDMLP-1 correction variants having desired phenotypic improvements, and for expressing the proteins. The hdDMLP-1 proteins or polypeptides may be used as immunogens to raise antibodies that specifically recognise hdDMLP-1 proteins, as standards in assays used to determine the concentration and/or amount specifically of hdDMLP proteins, as specific biomolecule capture probes for surface-enhanced laser description ionisation, as the respective supplement in pattients having specific deficiency in hdDMLP-1 groduction, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The polynucleotide sequences encoding hdDMLP-1 may be used for diagnosing a clisorder associated with the expression of hdDMLP-1, in particular heart can skeletal muscle disorders. hdDMLP-1 is localised to chromosome 22. The presents sequence in the expression of the present invention. N.B. can be sequence data for this patent did not form part of the printed capture in the intention of the present invention. N.B. but was obtained in electronic format directly from WIPO at the wino int/mlh/mblished per sequence in the expression.
                                                                               Query Match
Best Local :
                                                                Matches
                                                                                                                                 Sequence 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Disclosure;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New polypeptide, for raising antibodies that recognize hGDMLP-1 proteins, or as specific biomolecule capture probes for surface-enhanced laser desorption ionization, comprises human myosin-like protein hGDMLP-1.
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30-JAN-2001;
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30-JAN-2001;
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27-SEP-2000;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human; genome-derived myosin-like protein 1; GDMLP-1; hGDMLP-1; hear muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease; skeletal muscle disorder; amplicon; screening; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             30-JAN-2001;
30-JAN-2001;
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                                                                                                                                 BP; 7 A; 3 C; 6 G; 1 T; 0 U; 0 Other;
                                                                Conservative
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2001WO-US000667.
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                                                              Score 14.4; D
Pred. No. 67;
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RESULT 12
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Matches 15
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AAD45173
                                                                                                                                                                                                              Human; gene therapy; tumour suppressor; HTPL; chromosome 10p12.1; human testis expressed Patched like protein; testis; durenal; liver; male germ cell development; bone marrow; brain; kidney; lung; placenta; prostate; skeletal muscle; colon; male infertility; cancer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The invention relates to antisense compounds targetted to a nucleic acid encoding human receptor interacting protein (RIP)2 to inhibit its expression. Antisense compounds are used for treating diseases associated with RIP2 expression. They are also useful in antisense gene therapy. The present sequence is human RIP2 DNA specific PCR primer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New antisense oligonucleotide that targets regions of a encoding human receptor interacting protein (RIP)2, for associated with RIP2 expression.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 17 BP; 4 A; 4 C; 7 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human; receptor interacting protein; RIP2; antisense; gene therapy; PCR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAD45173;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          primer; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human RIP2 DNA specific forward PCR primer
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                                                                                                                                                                                                                                                                                                                                                                                                                            Human HTPL scanning oligonucleotide SEQ ID
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Pred. No. 6
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treating diseases
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 122
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The present invention relates to human testis expressed Patched like protein (HTPL, see ABV7875) to ABV78762 and ABB98519 to ABB98520). HTPL CC has two isoforms, with a few single base pair differences between the two. One of the single base pair changes introduces a premature stop codon in HTPL-S (S for short) compared to HTPL-L (L for long). HTPL CC shared structural features strongly imply that HTPL plays a role similar to that of Patched, and is a potential tumour suppressor. HTPL is CC important in regulating male germ cell development, and the HTPL gene was mapped to human chromesome lopl2.1. HTPL and its coding sequence are cc useful for diagnosing a disorder caused by mutation in HTPL, and in the HTPL, and in CC therapy and manufacture of a medicament for treatment or prevention of cc such disorder associated with decreased expression or activity of human CC HTPL. Such disorders include disorders of testis, or adrenal, adult and cc foetal liver, bone marrow, brain, kidney, lung, placenta, prostate, cs keletal muscle or colon function. HTPL proteins and nucleic acids are clinically useful diagnostic markers and potenial therapeutic agents for male infertility and cancer. The present oligonucleotide was used in an acceptance of the stronger of the stro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
Matches 15; Conserv
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30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
                                                                                               Human; gene therapy; tumour suppressor; HTPL; chromosome 10p12.1; human testis expressed Patched like protein; testis; adrenal; liver; male germ cell development; bone marrow; brain; kidney; lung; placenta; prostate; skeletal muscle; colon; male infertility; cancer; ss.
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                                                                                                                                                                                                                                                                                       Human HTPL scanning
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2001WO-US000664.
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2001WO-US000669.
2001US-00864761.
2001US-00864761.
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Pred. No. 6
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RESULT 123
ABK17396/C
ID ABK173
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ABK173
AC ABK173
AC ABK173
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O9-APR
XX
WW Unman
XX
WW Unman
KW Vulner
KW Vulner
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                                                                                                                                                                                                                                                                                                                                                                                                                                                     The present invention relates to human testis expressed Patched like protein (HTPL, see ABV78759 to ABV78762 and ABB98519 to ABB98520). HTPL CC has two isoforms, with a few single base pair differences between the CC two. One of the single base pair changes introduces a premature stop codon in HTPL-S (S for short) compared to HTPL-L (L for long). HTPL CC shared structural features strongly imply that HTPL plays a role similar to that of Patched, and is a potential tumour suppressor. HTPL is CC important in regulating male germ cell development, and the HTPL gene was CC import to human chromosome 10pl2.1. HTPL and its coding sequence are cc useful for diagnosing a disorder caused by mutation in HTPL, and in therapy and manufacture of a medicament for treatment or prevention of CC therapy and manufacture of a medicament for treatment or prevention of CC such disorder associated with decreased expression or activity of human CC HTPL. Such disorders include disorders of testis, or adrenal, adult and CC foetal liver, bone marrow, brain, kidney, lung, placenta, prostate, CC skeletal muscle or colon function. HTPL proteins and nucleic acids are CC clinically useful diagnostic markers and potenial therapeutic agents for company of the present onlygonucleotide was used in an examinate from the invention.
                                                                                                                                                                                                                                                                                                                                                                             Query Match
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30-JAN-2001;
30-JAN-2001;
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23-MAY-2001;
09-CCT-2001;
                                                                                                                                                                                             7396/c
ABK17396
ophthalmological; antiarthriti; antipsoriatic; virucide; osteopati vulnerary; cancer; lymphoma; Ewing's sarcoma; melanoma; psoriatsis; tumour anglogenesis; diabetic retinopathy; macular degeneration; neovascular glaucoma; myopic degeneration; arthritis; verruca vulga
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Novel isolated human testis expressed Patched like protein (HTPL), useful for identifying agonist and antagonist and specific binding partners, and for treating subjects having defects in HTPL.
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                                                                                                                               09-APR-2002
                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 17
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30-JAN-2001;
                                                                                                                                                                                                                                                                                                                                                               Local
                                                                                                                                                                                                                                                                                                              2120 CCACGGGGCCGCAGTG
                                                                                                  ERG
                                                                hammerhead
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                                                                                                                                                                                                                                                                                                                                                              Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                from the invention
                                                                                                                                                                                                standard; RNA;
                                                                                                                                                                                                                                                                                 CCACCGGGCCGCAGTG
                                                                                              hammerhead ribozyme target sequence, Seq
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2001WO-US000668.
2001WO-US000669.
2001US-00864761.
2001US-0327898P.
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larity 93.8%;
Conservative
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2001WO-US000664
2001WO-US000665
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                                                                                                                               (first entry)
                                                             ribozyme; cytostatic; antitumour;
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                                                      osteopathic;
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verruca vulgaris;

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RESULT 124
ABK17919/c
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Matches
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Sturge Weber syndrome; Kippel-Trenaunay-Weber syndrome; leukaemia; ss;
Osler-Weber-rendu syndrome, leukaemia; osteoporosis; DNAzyme; inozyme;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Novel polynuclectide which down regulates expression of Ets-related gene, useful for treating cancer, diabetic retinopathy, macular degeneration, arthritis, psoriasis, verruca vulgaris and Sturge Weber syndrome.
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               09-APR-2002
                                                   ABK17919;
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                                                                                                                                                                                                                                                                                                                            Sequence
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                                                                                                                                                                                                                                                                       Similarity
                                                                                                                                                                                                                  GCTGGAGGAGGACGAG 1895
                                                                                                                                                                                                                                                                                                                              17
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                                                                                                                                                                                                                                                                                                                              BP; 1
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             (first entry)
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                                                                                      RNA; 17
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Pred. No. 6
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                                                                                   Query Match
Best Local S
Matches 15
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  vulnerary; cancer; lymphoma; Ewing's sarcoma; melanoma; psoriasis; tumour anglogenesis; diabetic retinopathy; macular degeneration; neovascular glaucoma; myopic degeneration; arthritis; verruca vulgaris; anglofibroma of tuberous sclerosis; port-wine stain; wound healing; Sturge Weber syndrome; Kippel-Trenaunay-Weber syndrome; leukaemia; ss; Osler-Weber-rendu syndrome, leukaemia; osteoporosis; DNAzyme; inozyme;
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                                                                                                                                                                  Sequence 17
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                                                                                   l Similarity 93.
15; Conservative
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  CTGGAGGAGGACGCGG 2
                                       CTGGAGGAGGACGAGG
                                                                                                                                                                       BP; 2
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                                                                                                                                                                       A;
                                                                                                      93.8%;
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                                                                                     Score 14.4; D
Pred. No. 67;
0; Mismatches
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                                                                                                                             Length 17;
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ABT37829 standard;

DNA;

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                                                                             Query Match
Best Local S
Matches 15
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The invention relates to a novel isolated 17 mer nucleic acid sequence, given in the specification, a sequence containing at least 15 consecutive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New isolated nucleic acid, useful for treating viral diseases associated with tumors and cell degeneration, also related polypeptides, antibodies
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                                                                                                                                                             Sequence
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  16
                                                                             l Similarity 93.
15; Conservative
                       CTGCGTTTTGCTGAGC 1398
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  CIGCGITITGCIGATC 1
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                                                                                                                                                           A; 4 C; 5 G; 1 T; 0 U; 0 Other;
                                                                                                 0.6%;
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Pred. No. 67;
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cancer; Alzheimer's disease;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      a sequence that
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                                                                               Gaps
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The invention relates to a novel short interfering RNA (siRNA) nucleic acid molecule or an enzymatic nucleic acid molecule, that modulates expression of a nucleic acid molecule encoding HER2, K-Ras, H-Ras, N-Ras, human immunodeficiency virus (HIV) or a component of HIV. The nucleic acid molecule of the invention has cytostatic, anti-HIV, and anti-rheumatic activity. The nucleic acid molecules are useful for reducing HER2, K-Ras, H-Ras, and HIV activity in a cell. The nucleic acids are also useful for treating breast, ovarian, colorectal, lung, prostate, bladder, or pancreatic cancer, and HIV infection, and AIDS. The sequences shown in ABZ55389 - ABZ62216, ABZ64544 - ABZ65531, ABZ66520 - ABZ66524, ABZ66530 - ABZ66585 represent substrate/target sequences for the human riboxymes of the invention
                                                                                                                                                                                                                                                                                              Novel short interfering RNA and enzymatic nucleic acid useful for treating cancer, modulates the expression of a nucleic acid encoding HER2, K-Ras, H-Ras, N-Ras, and human deficiency virus sequences.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human; ribozyme; short interfering RNA; siRNA; HER2; K-Ras; enzymatic nucleic acid; H-Ras; N-Ras; HIV; cytostatic; anti-HIV; anti-rheumatic; cancer; AIDS; ss.
                                                                                                                                                                                                                                                                                                                                                                       WPI;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            29-MAY-2001; 2001US-0294140P
06-JUN-2001; 2001US-0296249P
10-SEP-2001; 2001US-0318471P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human HER2 DNAzyme substrate
Sequence 17
                                                                                                                                                                                                                                                                Claim 4; Page 139; 185pp; English
                                                                                                                                                                                                                                                                                                                                                                                                         Mcswiggen J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    29-MAY-2002; 2002WO-US016840
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                                 ribozymes of
                                                                                                                                                                                                                                                                                                                                                                                                                                             (RIBO-) RIBOZYME PHARM INC
                                                                                                                                                                                                                                                                                                                                                                       2003-140484/13
BP; 3 A; 7 C; 3 G; 0 T; 4 U; 0 Other;
                                   the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
                                   invention
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Query Match Best Local Matches Similarity Conservative 0.6%; 0 Score 14.4; Pred. No. 67; Mismatches DB ۲. 1; Length 17; 0 Gaps

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                                                  1266
                                   17
                                                  CTGGAAGAGGCTGAGG 1281
standard; DNA; 18
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0

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RESULT 127
AAA10553/c
ID AAA10553/c
XX
AAA105
XX
AAA105
XY
DT 29-JUN
XX
DT 29-JUN
XX
DE Smad2
XX
KW Smad2
XX
KW Chromo
KW diagno
XX
XX
                                                                                        AAA10553;
                                                                                                          AAA10553
                                                                     29-JUN-2000
                                                                     (first entry)
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Smad2 antisense oligonucleotide sequence #6 (ISIS# 27783).

Smad2; MADH2; MADR2; hMAD2; JV18-1; transcription factor; inflammation; chromosome 18q21; antisense compound; treat; prevent; infection; tumour diagnostic reagent; research reagent; ss; cancer

RESULT 126 ABZ64881/c ID ABZ64881 standard;

17

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RESULT 128
ABS60576/c
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Best Local S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            This sequence represents an antisense nucleotide sequence targeting human smad2. Smad2 is also known as MADH2, MADR2, hMAD2 and JVIB-1, and is a member of a subgroup of Smad family transcription factors which are cytosolic proteins regulated by transforming growth factor-beta (TGF-beta) and activins. Smads exist as monomers in unstimulated cells as homeor reterodimerise and translocate to the nucleus and activate target gene transcription upon ligand binding. The Smad2 gene is located on chromosome 18q21. The invention relates to antisense compounds (see AAA10548-A10587) targeted to the Smad2 nucleotide sequence. The antisense aligonucleotide sequences inhibit Smad2 surpression by hybridising to DNA or RNA. The antisense nucleotides are used to treat or prevent diseases associated with expression of Smad2, e.g. infection, inflammation and tumours. The oligonucleotides can also be used as diagnostic or research
                                                                            angiotensin converting enzyme 2; ACB2; protease inhibitor 4; PI4; polymorphism; haemangioma; tumour; sarcoma; Crohn's disease; trachoma cardiovascular disease; angina pectoris; hypertension; heart failure; myocardial infarction; ventricular hypertrophy; vascular disease; aneurysm; embolism; thrombosis; coronary artery disease; angioedaema; arteriosclerosis; atherosclerosis; hypersensitivity; sepsis; autoimmune disease; inflammatory arthritis; cancer; wound; viral infection; bacterial infection; fungal infection; COPD;
                                                                                                                                                                                                                                                                                                                                                                                          ABS60576
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 18
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New antisense compound that inhibits human Smad2, useful e.g. treating or preventing infection, inflammation and tumors.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (ISIS-) ISIS
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                                                                                                                                                                                              Aminopeptidase P. XPNSP2; bradykinin receptor B1; ds; BDKRB1; tachykinin receptor B1; TACR1; C1 esterase inhibitor; C1NH; kallikrein tachykinin receptor B2; BDKRB2; gene therapy, KLK1, bradykinin receptor B2; BDKRB2; gene therapy, angiotensin converting enzyme 2; ACE2; procease inhibitor 4; PI4; angiotensin converting enzyme 2; ACE2; procease inhibitor 4; Frahoma.
                                                                                                                                                                                                                                                                                    Human polymorphism associated DNA sequence #325.
                                                                                                                                                                                                                                                                                                                        05-NOV-2002
                                                               viral infection;
Chronic obstructi
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Pred. No. 78;
0; Mismatches
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WO200261131-A2

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AGAGCGGAGAGCGAAG ACAGCGGAGAGCGAAG 1815 Query Match Best Local S Matches 15

l Similarity 93.0

0.6%;

Score 14.4; Pred. No. 78; Mismatches

DB 1; Length 18;

0

Gaps

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CC encoding aminopeptidase p (PACRI), C1 esterase inhibitor (CIMI), bradykinin receptor B1 (PACRI), C2 esterase inhibitor (CIMI), kalikrein CC (KKKI), bradykinin receptor B2 (BDKRB2), angiotensin converting enzyme CC (ACCE) or protease inhibitor 4 (PI4), comprising at least one CC polymorphic position. Also included are (1) a probe that hybridises to a CC polymorphic position as provided in the detailed summary of single CC polymorphic position as provided in the detailed summary of single CC polymorphic position as provided in the detailed summary of single comprising the sample from one or more polymorphic positions in a gene CC encoding a protein selected from the group above; (3) constructing (M2) an individual at risk of developing a disorder cc using the genes comprising grouping at least two nucleic acids (4) identifying (M3) an individual at risk of developing a disorder cc using the polymorphic data; (5) allbrary of nucleic acids, each of which cc comprises one or more polymorphic positions within a gene encoding a constructing (M2) an individual at risk of developing a disorder cc using the polymorphic data; (5) allbrary of nucleic acids, each of which cc comprises one or more polymorphic positions within a gene encoding a comprise one or more polymorphic positions within a gene encoding a nucleic acid sample, determining the cc individual comprising obtaining a nucleic acid sample, determining the cc individual comprising obtaining a nucleic acid sample, determining the cc individual comprising obtaining a nucleic acid sample, determining the cc individual action, and comparing at comparing at the polymorphic position, and comparing at comparing at the stating, and comparing at the determining the comparing at the stating, and comparing at the comparing at the comparing at the determining the comparing at the comparing at the polymorphic position, treating, the comparing at the comparing at t
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23-JAN-2001;
02-MAR-2001;
                                          hypersensitivity reactions, sepsis, autoimmune diseases, inflammatory arthritis, cancer, wounds, viral, bacterial or fungal infection, Chronic obstructive pulmonary disease (COPD) and enterocolitis (many other diseases and disorders are listed in the specification). The polynuclectides are also useful for chromosome identification. Antibodies against the proteins may be utilised for immunophenotyping of cell lines and biological samples. The present sequence is included in the sequence listing but is not referred to anywhere else in the specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New isolated nucleic acid with at least one polymorphic position, useful for detecting, diagnosing and treating disorders such as angioedema, cancer, viral, bacterial or fungal infection, cardiovascular and
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The invention relates to an isolated nucleic acid from a h
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Disclosure; Page 808; 977pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   autoimmune diseases.
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Swanson BN, Powell
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TSUCHIHASHI Z.
HUI L.
18
BP; 1
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2001US-0263678P.
2001US-0273037P.
A; 9 C; 2 G; 6 T; 0 U; 0 Other;
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(BDKRB1),
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RESULT 129
ABS60512/c
ID
ABS60512/c
ABS605
XX
ABS60512/c
ABS605
XX
Aminop
XW
cc encoding aminopeptidase P (XPNEP2); bradykinin receptor B1 (EDKRB1), cl esterase inhibitor (CLNH), kallikrein cc (Exachykinin receptor B2 (EDKRB2), angiotensin converting enzyme cc (ACE2) or protease inhibitor 4 (PI4), comprising at least one polymorphic position. Also included are (1) a probe that hybridises to a collectide polymorphisms comprising additional 5 and 3 flanking genomic sequence; (2) analysing (M1) at least one nuclectide polymorphisms comprising additional 5 and 3 flanking genomic sequence; (2) analysing (M1) at least one nucleic acid sample comprising combraining the sample from one or more polymorphic positions in a gene concludic acid sequence at one or more polymorphic positions in a gene concist a protein selected from the group above; (3) constructing (M2) haplotypes using the genes comprising grouping at least two nucleic acids (4) identifying (M3) an individual at risk of developing a disorder comprises one or more polymorphic positions within a gene encoding a protein selected from the group above; (3) constructing (M2) the polymorphic data; (5) a library of nucleic acids, each of which comprises one or more polymorphic positions within a gene encoding a human protein selected from the group above; and (6) genotyping (M4) an individual comprising obtaining a nucleic acid sample, determining the nucleotide present in at least one polymorphic position, and comparing at least one position with a known data set. The genes, (M1, M2, M3 and M4) and compositions are useful for detecting, diagnosing, treating,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The invention relates to an isolated nucleic acid from a human gene encoding aminopeptidase P (XPNEP2), bradykinin receptor B1 (BDKRB1), kallikrein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    04-DEC-2000; 2000US-0251015P.
23-JAN-2001; 2001US-0263678P.
02-MAR-2001; 2001US-0273037P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Disclosure; Page 798; 977pp; English.
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Swanson BN,
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TSUCHIHASHI Z.
HUI L.
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Powell
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C1NH; kallikrein
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                                                                                                                                                                                                                                                                                       preventing various disorders such as angioedaema and diseases which involve angiogenesis like haemangiomas, tumous, sarcomas, Crohn's disease, trachomas, and cardiovascular diseases like angina pectoris, hypertension, heart failure, myocardial infarction, ventricular hypertrophy, vascular diseases, aneurysm, embolism, thrombosis, coron artery disease, arteriosclerosis and/or atherosclerosis, and
                                                  polynucleotides are also useful for chromosome identification. Antibodies against the proteins may be utilised for immunophenotyping of cell lines and biological samples. The present sequence is included in the sequence listing but is not referred to anywhere else in the specification
                                                                                                                                                                      hypersensitivity reactions, sepsis, autoimmune diseases, inflammatory arthritis, cancer, wounds, viral, bacterial or fungal infection, Chrobstructive pulmonary disease (COP) and entercochitis (many other diseases and disorders are listed in the specification). The
                                                                                                                                                                                                                                                                                                                                                                                                               and diseases which sarcomas, Crohn's
                                                                                                                                                                                                                                                                                                                                coronary
                                                                                                                                                                                                                                        Chronic
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Sequence 18 BP; 1 A; 9 C; 2 G; 6 T; 0 U; 0 Other;

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Matches
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18
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            ACAGCGGAGAGCGAAG 1815
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맑 8

11-APR-2002 ABL43873; ABL43873 standard; DNA; 18 BP (first entry)

PCR primer; Human; chromosome 1p36-35; chromosome 21q22.1; genetic analysis; genome; Human chromosome 1p36-35 PCR primer SEQ ID NO:917.

JP2001321190-A

10-MAR-2000; 2000JP-00066716 12-MAR-2001; 20-NOV-2001 2001JP-00068285

(RIKA ) RIKAGAKU KENKYUSHO. (GENO-) GENOTEX YG.

2002-144136/19.

Arraying genome clones.

Claim 4; Page 23; 528pp; Japanese.

RESULT 130
ABL43873/c
ABL438873/c
ABL438
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XXX Clain The present invention describes a method of arraying genome clones. The method comprises: (a) clones of the genomic libraries contained in multiwell plates numbered for discrimination are mixed in each of the multiwell plates; (b) a primer designed based on the chromosome marker sequence is added to the mixture to carry out an amplification reaction; (c) a signal corresponding to the marker is detected from the resultant amplified product to specify the discrimination Nos. of the multiwell plates containing the clones having said marker sequence; (d) the order of the maximum in the specified discrimination Nos. Succeed to the maximum in the specified discrimination Nos. It array the multiwell plates; (e) the clones in the multiwell plates of the specified discrimination Nos. Succeed to the the maximum in the specified discrimination Nos. To array the multiwell plates of the specified discrimination Nos. To array the multiwell plates of the specified discrimination Nos. Succeed to the clones in the multiwell plates of the specified discrimination Nos. To array the multiwell plates of the specified discrimination Nos. Succeed to the specified discrimination Nos. Succeed to the specified discrimination Nos. and lateral directions; (f) the mixed clones are cultured and the resultant cultures are amplified by using the above primer; (g) so are detected from the amplified products; (h) the clones in the materials. (g) signals the multiwell ţ

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ARESUNG 131
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The invention relates to a method for inhibiting viral replication in a cell or animal, where a heat-shock protein (HSP) is required for replication, comprises administering an inhibitor of the heat shock protein. Also included are a kit for the process comprising the cold instructions; an isolated nucleic acid that is complementary (antisense) to a sequence that encodes the HSP; a vector containing the antisense molecule; a non-human transgenic mammal containing the antisense molecule; a method for inhibiting viral containing the antisense molecule; a method for inhibiting viral containing the antisense molecule; a method for inhibiting viral containing a non-human transgenic mammal containing isolated nucleic acid that encodes a viral particle u-binding protein (UBP) or its derivative or fragment; a non-human transgenic mammal containing isolated nucleic acid that encodes an inhibitor of HSP-dependent viral replication; a containing viral replication in a cell by administering the inhibitior encoding nucleic acid; and a method for identifying compounds that inhibit HSP-dependent viral replication. The method is used to treat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Yeast; ss; PCR; heat shock protein 40; J domain; anti-HIV; viruodde; cytostatic; hepatotropic; antiinflammatory; transgenic; HSP; primer; u-binding protein; UBP; chicken embryo orphan adenovic; infection; San Nombre hantavirus infection; human immune deficiency virus infection; cervical cancer; hepatitis; measles; HIS biosynthetic gene
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Example 3; Page 79; 133pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Method for inhibiting viral replication, useful for treating e.g. human immune deficiency virus infection or measles, comprises administering a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2002-383030/41
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BOEHRINGER INGELHEIM INT GMBH.
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Pred. No. 78;
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Matches 15
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 18
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Synthetic
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human inhibitor-kappa B-R antisense oligonucleotide,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     16. .20
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/mod_base= OTHER
/note= "2'-methoxyethyl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /note= "Phosphorothioate backbone;
are 5-methylcytidines"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            *tag= a
                                                                                                                                                                                                                                                                                                                                                                                                                                                       note= "2'-methoxyethyl
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     _base= OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   base= OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            a
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Pred. No. 7
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    infection; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                IKBR; I-kappa-B-related; NFKBIL2;
infection; inflammation; therapy;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       78;
                                                                                                                                                                                                                                                                                                                                                                                                                                                            (2'-MOE) nucleotides'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (2'-MOE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 nucleotides
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ISIS #130489.
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New antisense oligonucleotides targeted to nucleic acids encoding inhibitor-kappa B-R, useful for diagnosing or treating diseases

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
Matches 15; Conserv
                                                                                                                                                                                                                                                                                                                                                                                       Human, inhibitor-kappa B-R, I-kappaBR; IKBR; I-kappa-B-related; NFKBIL2; ikappab r; antisense; immune response; infection; inflammation; therapy; tumour; prophylaxis; phosphorothicate; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                           Human inhibitor-kappa B-R antisense oligonucleotide, ISIS #130509
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               associated with immune response
                                                                                                                                                                                                                                         modified_base
                                                                                                                                                                                                                                                                                                                                                  Synthetic.
                                                                                                                                                                                                                                                                                                                                                                Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         22-SEP-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAL61584 standard; DNA;
                                                                                                                       WO2003042360-A2
                                                                                                                                                                                                                                                                                                          modified_base
                                        13-NOV-2001; 2001US-00993731
                                                                 05-NOV-2002;
                                                                                                                                                                                    modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        775
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               SISI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Page
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CTGCCTTTGAGAAGAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       20 BP; 4 A; 5 C; 7 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CTGCCTTGGAGAAGAG 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative
               PHARM INC
                                                                 2002WO-US035597
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
                                                                                                                                                                             /*tag= b
/mod_base= OTHER
/note= "2'-methoxyethyl (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               expression of or infection.
                                                                                                                        /*tag= c
/mod_base= OTHER
/note= "2'-methoxyethyl (2'-MOE) nucleotides"
                                                                                                                                                                                                                                                        are
                                                                                                                                                                                                                                                                                                                        Location/Qualifiers
                                                                                                                                                                                                                                                      /mod_base= OTHER
/note= "Phosphorothioate
are 5-methylcytidines"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      108pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              93.8%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          790
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              of inhibitor-kappa B-R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 14.4;
Pred. No. 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1e+02;
                                                                                                                                                                                                       (2'-MOE)
                                                                                                                                                                                                                                                                      backbone; All cytidine residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1.
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                                                                                                                                                                                                       nucleotides'
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               a heightened
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The invention relates to antisense compounds targetted to a nucleic acid comblecule encoding human inhibitor-kappa B-R (also known as I-kappaBR, CC IKER, I-kappa-Br-erlated, ikappab r, nuclear factor of kappa light color polypeptides gene enhancer in B-cells inhibitor-like 2 and NFKBIL2) to climbibit its expression. Antisense compounds of the invention are useful cfor treating diseases or conditions associated with the expression of cc inhibitor-kappa B-R such as a heightened immune response involving cc increased cytokine expression, or a result of infection (e.g. bacterial, critical or parasitic). They are useful for diagnostics, therapeutics, cc prophylaxis e.g. to prevent or delay infection, inflammation or tumour commation, as research reagents and kite and in distinguishing between cfunctions of various members of a biological pathway. They are also cuseful in antisense therapy. The present sequence is an oligonucleotide account of the comman inhibitor-kappa B-R DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New antisense oligonucleotides targeted to nucleic acids encoding inhibitor kappa B-R, useful for diagnosing or treating diseases associated with expression of inhibitor-kappa B-R, e.g., a heightened immune response or infection.
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Monia
                                              Sequence 20 BP; 3 A; 7 C; 7 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ₽P,
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Page 75; 108pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Watt
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ΑŢ
     DB 1;
Length 20;
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Matches Query Match Antisense therapy; antiproliferative; antinflammatory; antipsoriatic; cytostatic; dermatological; cardiant; virucide; ophthalmological; keloid; skin disorder; Insulin-like Growth Factor 1 receptor; IGF-1; pityriasis; IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris; growth factor mediated cell proliferation; ichthyosis; serborrhoea; ruba; keratosis; neoplasia; seleroderma; wart; skin cancer; sclerotic disease; keratosis; neoplasia; shorthypsis; serborrhoea; ruba; condition; hyperplasia; kidney disease; IGF-I oligonucleotide #3781. 30-MAR-2001 AAF52821; AAF52821 standard; Local 1252 GGCTGCAGCAACAGCTGGA 1270 16; N Similarity GGCTGCAGCCTCAGCTGCA 20 Conservative (first entry) DNA; 0.6%; 15 ВP 0 Score 14.2; Pred. No. 1 ed. No. 1.1e+02; Mismatches 3 Indels 0 Gaps 0

WO200078341-A1 neovascular condition of the retina; ss. sapiens.

28-DEC-2000.

21-JUN-1999; 21-JUN-2000; 2000WO-AU000693 99US-0140345P

MURDOCH CHILDRENS RES INST.

. G Werther GA, Edmondson

2001-041421/05.

Ameliorating the effects õ. Ø disorder, e.g. psoriasis, γ̈́q administering

treatment

that

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skin disorders. The method comprises contacting the skin with an CC antisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1 CC receptor, IGF binding protein [IGFB]-2 or IGFBP3), which is capable of crinibiting or reducing growth factor mediated cell proliferation, CC inflammation and/or other disorders. The present sequence is an CC oligonucleotide which can be used to design the antisense CC oligonucleotide of the present invention (see AAF45151 and AAF45153-CC fichiyosis, pityriasis, ruba, pilaris, serborrhoea, keloids, keratosis, CC neoplasias, seleroderma, warts, benigm growths, cancers of the skin, a CC hyperneovascular condition such as a neovascular condition of the retina, CC disease, kidney disease, hyperpolasias, prowth factor-mediated malignancies, other sclerotic CC disease, kidney disease, hyperplasia
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Matches
                                                                                                                                                                                                                                                                                                         Antisense therapy; antiproliferative; antinflammatory; antipsoriatic; cytostatic; dermatological; cardiant; virucide; opthhalmological; keloid; skin disorder; Insulin-like Growth Factor I receptor; IGF-1; pityriasis; IGF binding protein; IGFP-2; IGFPB-3; inflammation; psoriasis; pilaris; growth factor mediated cell proliferation; ichthyosis; serborrhea; ruba; keratosis; neoplasia; scleroderma; wart; skin cancer; selerotic disease; hyperneovascular condition; hyperplasia; kidney disease; neovascular condition of the retina; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       UV (ultra-violet) inhibits or reduce inflammation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Example 8; Page 85;
                                                                                                                                                                                                                                                         WC200078341-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAF45187
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 15
                           Ameliorating the effects of a disorder, e.g. psoriasis, by administering UV (ultra-violet) treatment (optional) and an antisense nucleic acid that inhibits or reduces growth factor mediated cell proliferation and/or
                                                                                                                                                                     21-JUN-1999;
                                                                                                                                                                                                21-JUN-2000; 2000WO-AU000693
                                                                                                                                                                                                                                                                                                                                                                                                                                            IGFBP2 oligonucleotide #26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1232 GCATGTGCTGGCAG 1245
                                                                                                                                                                                                                                                                                    sapiens.
                                                                                     2001-041421/05
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               standard; DNA; 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GCATGTGCTGGCAG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    BP; 2 A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (first entry)
                                                                                                              Werther
                                                                                                                                                                       99US-0140345P
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                                                                                                                 Edmondson
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actor mediated
                                                                                                                                           INST.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ore 14; DB 1
Pred. No. 58;
Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 15;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ic acid and/or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
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                                                                  Query Match
Best Local S
Matches 14
                                                                                                                                                                                          skin disorders. The method comprises contacting the skin with an antisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1 receptor, IGF binding protein [IGFB]-2 or IGFBF2), which is capable of inhibiting or reducing growth factor mediated cell proliferation, inflammation and/or other disorders. The present sequence is an oligonucleotide which can be used to design the antisense oligonucleotides of the present invention (see AMP45151 and AMF45153-F45161). The method is useful for ameliorating the effects of psoriasis, ichthyosis, pityriasis, ruba, pilaris, serborrhoea, keloids, keratosis, neoplasias, scleroderma, warts, benign growths, cancers of the skin, a hyperneovascular condition such as a neovascular condition of the retina, brain or skin, growth factor-mediated malignancies, other sclerotic disease, kidney disease, hyperproliferation of the inside of blood vessels or any other warranseis
                                                                                                                                                                                                                                                                                                                                                                                                                                                The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Example
                                                                                                                                                                                                                                                                                                                                                                                                                              present invention relates to a method for ameliorating the effects disorders. The method comprises contacting the skin with an
                                    1782
                                                                        14;
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                                                                                                                                                                                    or any
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        6; Page 34; 201pp; English
                                                                                          Similarity
GCGGAGGAGGCGGC 14
                                    GCGGAGGAGGCGGC 1795
                                                                                                                                                15
                                                                                                                                                BP; 2
                                                                      Conservative
                                                                                                                                                                                      other hyperplasia
                                                                                                                                                A; 3 C; 9 G; 1 T; 0 U; 0 Other;
                                                                                        100.0%;
                                                                          0
                                                                                          Score 14;
Pred. No.
                                                                            Mismatches
                                                                                          589;
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                                                                            0
                                                                                                            Length 15;
                                                                            Indels
                                                                            0,
                                                                            Gaps
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RESULT 136
AAF451
XX
AAF451
AAF4
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WPI; 2001-041421/05

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Werther GA,

Edmondson

SR;

Ameliorating the effects of a disorder, UV (ultra-violet) treatment (optional)

inhibits or reduces

growth

factor

onal) and mediated

e.g. psoriasis, by administering and an antisense nucleic acid that ted cell proliferation and/or

The present Example 6; Page

invention relates to a method

method

comprises

thod for ameliorating the effects contacting the skin with an

O.

201pp;

English

disorders.

21-JUN-1999;

99US-0140345P

(MURD-) MURDOCH CHILDRENS RES INST

21-JUN-2000; 2000WO-AU000693

28-DEC-2000

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RESULT 137
AAF48301;
ID AAF48301;
XX AAF48301;
AC AAF4830
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The present invention relates to a method for ameliorating the effect skin disorders. The method comprises contacting the skin with an antisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1 receptor, IGF binding protein [IGPBP]-2 or IGFBP3), which is capable inhibiting or reducing growth factor mediated cell proliferation, inflammation and/or other disorders. The present sequence is an

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The present invention relates to a method for ameliorating the effects skin disorders. The method comprises contacting the skin with an antisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1 receptor, IGF binding protein [IGFBP]-2 or IGFBP]-3), which is capable of inhibiting or reducing growth factor mediated cell proliferation, inflammation and/or other disorders. The present sequence is an oligonucleotide which can be used to design the antisense

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oligonucleotides of the present invention (see AAF45151 and AAF45153-F45161). The method is useful for ameliorating the effects of psorias ichthyosis, pityriasis, ruba, pilaris, serborrhoea, keloids, keratosi

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             The present invention relates to a method for ameliorating the effects of skin disorders. The method comprises contacting the skin with an antisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1 receptor. IGF binding protein [IGFBH]-2 or IGFBH3), which is capable of inhibiting or reducing growth factor mediated cell proliferation, inflammation and/or other disorders. The present sequence is an oligonucleotide which can be used to design the antisense oligonucleotides of the present invention (see AAF45151 and AAF45153-145161). The method is useful for ameliorating the effects of psoriasis, inchthyosis, pityriasis, ruba, pilaris, serborrhoea, keloids, keratosis, neoplasias, scleroderma, warts, benign growths, cancers of the skin, a hyperneovascular condition such as a neovascular condition of the retina, brain or skin, growth factor-mediated malignancies, other sclerotic lifes of the incide of blood discount factor-mediated malignancies, other sclerotic lifes of the incide of blood discount sclerotic lifes of the incide of blood discount sclerotic lifes of the skin, a second scenario of the skin, a hyperneovascular condition factor-mediated malignancies, other sclerotic lifes of the skin, a second scenario of the skin, a second scenario of the skin, a second scenario of the skin, a hyperneovascular condition such as a neovascular condition of the retina, because the second scenario of the skin, a hyperneovascular condition such as a neovascular condition of the retina, higher the second scenario of the skin and the second scenario of the skin
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Pred. No.
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RESULT 141
AAF02211/c
ID AAF022
XX
AC AAF022

standard;

DNA; 17

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AAF02211; AAF02211

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RESULT 140
AAF01936/c
ID AAF019
XX AAF019
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                                                                                                                                                                                                                                                         The present invention relates to enzymatic and antisense nucleic acid molecules that act as inhibitors of the expression of repressor genes encoding the TR2 Orphan receptor, EAR3/COUP-TF-1, the GATA transcription factor gene, IRF-2 and/or the CAATT Displacement protein (CDP). Inhibition of the repressors removes prevents inhibition (and consequently increases expression of) genes involved in the production of erythropoietin, granulocyte colony stimulating factor protein and
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Enzymatic and antisense nucleic acid inhibition of repressor genes, useful for producing e.g. granulocyte colony stimulating factor prointerferon alpha and erythropoietin.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Claim 37; Page 61; 164pp; English.
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14; Conserv
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                                                                                                                      Similarity
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                                               GCTGGAGACGCTGC 2286
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                                                                                           Conservative
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Pred. No.
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81;
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RESULT 142
AAF07203/c
ID AAF072
XX AAF072
XX AAF072
XX AAF072
XX AAF072
XX Hammer
XX Ribozy
KW Interf
XX Homo s
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Best Local Similarity
Matches 14; Conserv
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                                    11-APR-2000; 2000WO-US009721.
                                                                                     WC200061729-A2
                                                                                                                                                                                                                       AAF07203;
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              12-APR-1999;
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Pred. No.
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RESULT 143
ABK02369
ID ABK023
XX ABK023
XX ABK023
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XX Human;
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A CREAB
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Best Local (
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28-FEB-2000;
06-MAR-2000;
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(BLAT/)
(MCSW/)
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Synthetic.
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BLATT L.
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2000US-0187128P
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CC Furthermore, it may be contacted with a cell to reduce CD20 activity of the cell and treat a patient having a condition associated with the level of CD20. The treatment may further comprise the use of one or more contact (NHL), builty low-grade or follicular NHL, lymphocytic (lymphoma, leukaemia, B-cell lymphoma, low-grade or follicular NHL, lymphocytic (lymphoma, leukaemia, B-cell lymphoma, low-grade or follicular NHL, lymphocytic (lymphoma, leukaemia, B-cell lymphoma, low-grade or follicular non-cc (leukaemia, HIV), builty low-grade or follicular NHL, lymphocytic (lymphoma, leukaemia, B-cell lymphoma, low-grade or follicular non-cc (leukaemia, HIV), builty low-grade or follicular NHL, lymphocytic (lymphoma, leukaemia, B-cell lymphoma, low-grade or follicular non-cc (leukaemia, HIV), builty low-grade or follicular NHL, lymphocytic (lymphoma, leukaemia, B-cell lymphoma, low-grade or follicular non-cc (leukaemia, HIV), builty low-grade or follicular NHL, lymphocytic (lymphoma, leukaemia, B-cell lymphoma, low-grade or follicular non-cc (leukaemia, leukaemia, B-cell lymphocytic lymphoma, low-grade or follicular non-cc (leukaemia, leukaemia, leukae
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Matches 14
Human; ss; antisense therapy; cytostatic; antiinflammatory; haemostatic; cerebroprotective; noctropic, neuroprotective; antiparkinsonian; muscular; CD20; neurite growth inhibitor gene; NOGO; hammerhead ribozyme; DNAzyme; inozyme; G-cleaver; amberzyme; zinzyme; lymphoma; leukaemia; B-cell lymphoma; non-Hodgkin's lymphoma; NHL; lymphocytic leukaemia; human immunodeficiency virus; HIV associated NHL; mantle-cell lymphoma; NMCL; immuno timmuno throma; IMC; immuno thromabocytopaenia; stroke; dementia; inflammatory arthropathy; central nervous system injury; cerebrovascular accident; CVA; Alzheimer's disease; multiple sclerosis;
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The invention relates to a nucleic acid molecule which down regulates expression of a CD20 gene and a nucleic acid molecule which down concluded acids acids may be enzymatic nucleic acids (e.g. a ribozyme or a conclusic acids may be enzymatic nucleic acids (e.g. a ribozyme or a conclusic acids may be enzymatic nucleic acids (e.g. a ribozyme or a conclusion and nucleic acids (e.g. a ribozyme or a conclusion and nucleic acids (e.g. a ribozyme or a conclusion and nucleic acid cleaving an RNA molecule conclusion and provided and the acids of conclusion and the acid and cleaving RNA with a NGN triplet), a zinzyme (cleaving RNA conclusion and provided acids) provided an amberzyme (cleaving RNA with a NGN triplet), a zinzyme (cleaving RNA conclusion acid is used to cleave RNA conclusion and provided acids) provided an amberzyme (cleaving RNA with a cell to reduce CD20 activity of conclusion associated with the level of CD20 in the presence of a divalent having a condition associated with the level of CD20. The treatment may further comprise the use of one or more conclusion and treat lymphoma, leukaemia, B-cell lymphoma, low-grade or follicular non-conclusion (MCI), immunocytoma (IMC), small B-cell lymphoma, lymphocytic lymphoma (MCI), immunocytoma (IMC), small B-cell lymphoma, lymphocytic lymphoma (MCI), immunocytoma (IMC), small B-cell lymphocytic lymphoma, condition associated with the level of cargetting nucleic acid may be contacted with a cell to reduce NGO gene in the conservation that is preferably Mg 2 +. Furthermore, the conservation that is preferably Mg 2 +. The NGO sent the level of the rapies. In particular, the NGO-targetting nucleic acid may be used to creat central nervous system (CNS) injury and cerebrovascular accident (CNA, stroke), alzheimer's disease, demantia, multiple sclerosis (MS), chemotherapy-induced neuropathy, amyotrophic lateral sclerosis (ALS), parkinson's disease, ataxia, Huntington's disease, Creutzfeld-Jakob catates which respond to the modulation of NGO expression. The present
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28-FEB-2000;
06-MAR-2000;
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Parkinson's disease; ataxia; Huntington's disease;
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BLATT L.
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The invention relates to a nucleic acid molecule which down regulates expression of a CD20 gene and a nucleic acid molecule which down CC regulates expression of a neurite growth inhibitor gene (NGGO). The CC nucleic acids may be enzymatic nucleic acids (e.g. a ribozyme or a CD DNAzyme) an Inozyme (an endolytic nucleic acid cleaving an RNA molecule CC DNAzyme) an NCH motif), a G-cleaver (cleaving RNA with a NYM motif) prosessing an NCH motif), a G-cleaver (cleaving RNA with a NYM motif) proceed with a YGY motif). The CD20 targetting nucleic acid is used to cleaver RNA CC with a YGY motif). The CD20 targetting nucleic acid is preferably Mg^2+. Furthermore, it may be contacted with a cell to reduce CD20 activity of the cell and treat a patient having a condition associated with the level of CD20. The treatment may further comprise the use of one or more therapies. In particular, the CD20 targetting nucleic acid may be used to treat lymphoma, leukaemia, B-cell lymphoma, low-grade or follicular NHL, lymphoma, the CD20 targetting nucleic acid may be used to treat lymphoma, leukaemia, B-cell lymphoma, low-grade or follicular NHL, lymphoma, cleukaemia, HIV (human immunodeficiency virus) associated WHL, mantle-cell lymphoma (MCL), immunocytoma (IMC), small B-cell lymphocytic lymphoma, immunocytoma (IMC), small B-cell lymphocytic lymphoma, contacted with a CD20 immune thrombocytopaenia, and inflammatory arthropathy. The NGGO-
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28-FEB-2000;
06-MAR-2000;
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                                                                                                                                                                                                                                                                                                                                                                                                          Claim 88; Page 131; 200pp; English
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Synthetic.
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BLATT L.
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2000US-0185516P.
2000US-0187128P.
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RESULT 146
ABNO2624
ID ABNO26
XX ABNO26
XX ABNO26
XX ABNO26
XX HOMEN
DE Human;
XW Human;
XW MUSCle
XW WO2001
XX HOMO E
YM WPI;
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Best Local S
Matches 14
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30-JAN-2001;
30-JAN-2001;
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30-JAN-2001;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human; genome-derived myosin-like protein 1; GDMLP-1; hGDMLP-1; hear muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease; skeletal muscle disorder; amplicon; screening; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (CVA, stroke), Alzheimer's disease, dementia, multiple sclerosis (MS) chemotherapy-induced neuropathy, amyotrophic lateral sclerosis (ALS). Parkinson's disease, ataxia, Huntington's disease, Creutzfeldt-Jaks) disease, muscular dystrophy, and/or other neurodegenerative disease states which respond to the modulation of NOGO expression. The preser sequence is an amberzyme molecule of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   06-DEC-2001
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                                                                                                                                                                                                                                                                                                                                                                            30-JAN-2001;
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7 2001WO-US000667
7 2001WO-US000669
8 2001WO-US000670
7 2001WO-US000670
7 2001US-0266860P
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2001WO-US000665.
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2001WO-US000662.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 14;
Pred. No.
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81;
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New polypeptide, for raising antibodies that recognize hGDMLP-1 proteins, or as specific biomolecule capture probes for surface-enhanced laser desorption ionization, comprises human myosin-like protein hGDMLP-1.

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RESULT 147
ABNO2623
ID ABNO262
XX ABNO26
XX ABNO26
XX ABNO26
XX Human
XX Human
XX Human
XX Human
XX Homo E
XX MO2001
XX G-DE(
XX S-E-MA)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The present invention describes a human genome-derived myosin-like CC protein 1 (hdDMLP-1). The protein and polynucleotide sequences of hdDMLP-1 can be used in gene therapy and vaccine production. The hdDMLP-1 cc muleic acids can be used as probes to detect, characterise and quantify chapMLP-1 nucleic acids in samples, as amplification substrates, to provide initial substrates for the recombinant engineering of hdDMLP-1 cc protein variants having desired phenotypic improvements, and for expressing the proteins. The hdDMLP-1 proteins or polypeptides may be used as immunogens to raise antibodies that specifically recognise hdDMLP-1 proteins, as specific biomolecule capture proteins as standards in assays used to determine the concentration and/or amount specifically of hdDMLP proteins, as specific biomolecule capture probes for surface-enhanced laser description ionisation, as therapeutic supplement in patients having specific deficiency in hdDMLP-1 capture probes for surface-enhanced laser description ionisation, as therapeutic supplement in patients having specific deficiency in hdDMLP-1 completed and sequences encoding hdDMLP-1 may be used for diagnosing a construction and in vaccines or for replacement therapy. The propulse of the sequence in the expression of hdDMLP-1, in particular heart and skeletal muscle disorders, hdDMLP-1 is localised to chromosome 22. The present sequence in the exemplification of the present invention. N.B. The present sequence in the exemplification of the present invention. N.B. The present data for this pattent did not form part of the printed constitution of the present invention. N.B. The present sequence data for this pattent did not form part of the printed constitution of the present invention. N.B. The present data for this pattent did not form part of the printed constitution of the present invention. N.B. The present data for this pattent did not form part of the printed constitution of the present divertible protection of the present sequence data for this pattent did not
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30-JAN-2001;
30-JAN-2001;
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21-SEP-2000;
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04-OCT-2000;
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30-JAN-2001;
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muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease;
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14; Conser
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2001WO-US000661
2001WO-US000663
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larity 100.0%;
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2000US-0234687P.
2000US-0236359P.
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Pred. No.
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81;
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New polypeptide, for raising antibodies that recognize hGDMLP-1 proteins, or as specific biomolecule capture probes for surface-enhanced laser desorption ionization, comprises human myosin-like protein hGDMLP-1.
                                                                                                                                                         Disclosure; SEQ ID NO
                                                                                                                                                                                                                        (AEOM-) AEOMICA INC.
                                                                                                                                                          2615; 214pp; English.
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                                                                                                                                                                                                            Rank
                                                                                                                                                                                                            DR,
                                                                                                                                                                                                            Chen W,
                                                                                                                                                                                                            Shannon
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The present invention describes a human genome-derived myosin-like CC protein 1 (hGDMLP-1). The protein and polymucleotide sequences of hGDMLP-1 can be used in gene therapy and vaccine production. The hGDMLP-1 cC nucleic acids can be used as probes to detect, characterise and quantify comproved initial substrates for the recombinant engineering of hGDMLP-1 cC protein variants having desired phenotypic improvements, and for cexpressing the proteins. The hGDMLP-1 proteins or polypeptides may be cused as immunogens to raise antibodies that specifically recognise hGDMLP-1 proteins, as standards in assays used to determine the concentration capture probes for surface-enhanced laser described initiation, as capture probes for surface-enhanced laser described in the concentration and/or amount specifically of hGDMLP proteins, as specific biomolecule capture probes for surface-enhanced laser described in the concentration of capture probes for surface-enhanced laser described in the second in hGDMLP-1 considered in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The polymucleotide sequences encoding hGDMLP-1 may be used for diagnosing a construction of hGDMLP-1 may be used for diagnosing a construction of the protein did skeletal muscle disorders. hGDMLP-1 is localised to chromosome 22. The procent sequence in the exemplification of the present invention. N.B. The present sequence in the exemplification of the present invention. N.B. The present invention, but was obtained in electronic format directly from WIPO at figure part of the printed construction in the sample polymence in the common part of the printed construction in the sample polymence construction in the present invention. Sequence 17 BP; 5 A; 4 C; 6 G; 2 T; 0 다; 0 Other;

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맑
                               Query Match
Best Local Similarity
Matches 14; Conserv
             1840 TCTCAGAGAGCGAG 1853
TCTCAGAGAGCGAG
                                0.6%; So ilarity 100.0%; I Conservative 0;
17
                                          Score 14;
Pred. No.
                                  Mismatches
                                          DB ;
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                                  0
                                                   Length 17
                                   Indels
                                  0,
                                 Gaps
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RESULT 148
ABX17922/c
ID ABX17922;
XX
ABX17922;
XX
O9-APR-2002 (first entry)
DT O9-APR-2002 (first entry)
DE Human ERG hammerhead ribozyme; c
KW ophthalmological; antiarthrit
KW vulnerary; cancer; lymphoma;
KW tumour anglogenesis; diabetic
KW neovascular glaucoma; myopic
KW neovascular glaucoma; myopic
KW sturge Weber syndrome; Kippel
KW Osler-Weber-rendu syndrome, 1
KW amberzyme.
XX
OS Homo sapiens.
XX
PN W0200188124-A2.
XX
PD 22-NOV-2001.
                                                                                                                                                                                                                                                                                                           Human ERG hammerhead ribozyme target sequence,
                                                                                                                                                                                                                                                                                                           Seq ID No
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Human; hammerhead ribozyme; cytostatio; antitumour; antidiabetic; ophthalmological; antiarthritic; antipscriatic; virucide; osteopathic; vulnerary; cancer; lymphoma; Ewing's sarcoma; melanoma; psoriasis; tumour angiogenesis; diabetic retinopathy; macular degeneration; neovascular glaucoma; myopic degeneration; arthritis; verruca vulgaris angiofibroma of tuberous solerosis; port-wine stain; wound healing; sturge Weber syndrome; Kippel-Trenaunay-Weber syndrome; leakemia; ss; leukaemia; osteoporosis; DNAzyme; vulgaris;

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RESULT 149
ABK17921/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               weber syndrome, Kippel-Trenaunay-Weber syndrome, Oslar-Weber-rendu syndrome, New Person of the Syndrome, Oslar-Weber-rendu for treating a patient having a condition associated with the level of ERG, to by contacting cells of the patient with (I) under conditions suitable for the treatment. The method comprises the use of one or more therapies under conditions suitable for the treatment. Leukaemia or tumour cangiogenesis is treated by administering (I) to the patient in conjunction with one or more of other therapies such as radiation or conjunction with one or more of other therapies such as radiation or chemotherapy treatment. (I) is useful for reducing ERG activity in a cell, by contacting the cell with (I). (I) is useful for cleaving RNA of ERG gene, by contacting (I) with RNA, in the presence of a divelent cation such as Mg2+. (I) is useful for diagnosis of conditions and diseases related to the expression of ERG, and as diagnostic tool to examine genetic drift and mutations within diseased cells or to detect the presence of ERG RNA in a cell. (I) is useful for specifically the presence of ERG RNA in a cell. (I) is useful for specifically cargeting genes that share homology with ERG gene or ERG fusion genes.

ABK17354-ABK27219 represent nucleic acids, including antisense and cargmatic nucleic acid molecules which regulate expression of ERG, and related PCR primers of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Sim
Matches, 14;
                 ophthalmological; antiarthritic; antipsoriatic; virucide; osteopath: vulnerary; cancer; lymphoma; Ewing's sarcoma; melanoma; psoriasis; tumour angiogenesis; diabetic retinopathy; macular degeneration; neovascular glaucoma; myopic degeneration; arthritis; verruca vulga: angiofibroma of tuberous sclerosis; port-wine stain; wound healing; sturge Weber syndrome; kippel-Trenaunay-Weber syndrome; leukaemia; osler-Weber-rendu syndrome; leukaemia; osler-Weber-rendu syndrome; leukaemia; osleroporosis; DNAzyme; inozym
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The invention relates to a nucleic acid molecule (I) which down regulates expression of an Ets-related gene (ERG). (I) is useful for treating conditions selected from cancer, lymphoma, Ewing's sarcoma, melanoma, tumour anglogenesis, diabetic retinopathy, macular degeneration,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Novel polymucleotide which down regulates expression of Ets-related ger useful for treating cancer, diabetic retinopathy, macular degeneration, arthritis, psoriasis, verruca vulgaris and Sturge Weber syndrome.
                                                                                                                                                             Human; hammerhead ribozyme; cytostatic; antitumour; antidiabetic;
                                                                                                                                                                                                      Human
                                                                                                                                                                                                                                                                                                                               ABK17921
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                neovascular glaucoma, myopic degeneration, arthritis, psoriasis, verruca vulgaris, angiofibroma of tuberous sclerosis, port-wine stains, Sturge
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Jarvis T,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (RIBO-)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1880
                                                                                                                                                                                                                                                                                                                                                                                                                                 14
                                                                                                                                                                                                  ERG hammerhead ribozyme target sequence,
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GLAXO GROUP LTD.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                               GCTGGAGGAGGACG 1893
                                                                                                                                                                                                                                                                                                                            standard;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              BP; 2 A; 9 C; 3 G; 0 T; 3 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                            (first entry)
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                                                                                                                                                                                                                                                                                                                            RNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%; *-
                                                                                                                                                                                                                                                                                                                               17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   81;
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                                                                                                                                           osteopathic;
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                                                                                vulgaris;
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RESULT 150
ADB42705/c
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CE ABK17354-ABK22719 represent nucleic acids, including antisense and curvilgarish curvilgarish curvilgarish con the presence of ERG, and related PCR primers of the invention
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Best Local
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                                   Tumour suppression/reversion associated nucleotide #3028
                                                                             18-DEC-2003
04-DEC-2003
                                                                                                                                           ADB42705;
                                                                                                                                                                                   ADB42705 standard; DNA; 17 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       16-MAY-2000; 2000US-00572021
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                                                                                                                                                                                                                                                                                                                                 1880 GCTGGAGGAGGACG 1893
                                                                                                                                                                                                                                                                                                                                                                         al Similarity
14; Conserv
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                                                                                                                                                                                                                                                                                                                                                                           Conservative
                                                                             (revised)
(first entry)
                                                                                                                                                                                                                                                                                                                                                                                            100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                   0.6%;
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                                                                                                                                                                                                                                                                                                                                                                         0,
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Pred. No.
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                                                                                                                                                                                                                                                                                                                                                                           Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                 , 18
                                                                                                                                                                                                                                                                                                                                                                                                                   DB 1;
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cytostatic;

antiviral;

neuroprotective;

nootropic; neuroleptic;

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Best Local S
Matches 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      nucleotides. The nucleotides are used as probes or primers for detecting, identifying, quantifying and/or amplifying nucleic acids, as in vitro sense and antisense sequences, of nucleotides involved in tumour suppression or reversion, apoptosis and or vitral resistance, to produce recombinant polypeptides, and to prepare transgenic animals, as experimental models. The nucleotides (also vectors containing them and cells containing the vectors), the encoded polypeptides and antibodies (Ab) against the polypeptide are useful for prevention and/or treatment of viral infections or diseases characterized by development of tumours or cell degeneration (e.g. Alzheimer's disease or schizophrenia) and/or prognosis of the expression of the nucleotides can be used to screen for their specific interactive molecules, and/or predictions or diseases. The nucleotides and polypeptides can also be used to screen for their specific interactive molecules.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The invention relates to the isolation of 6327 nucleotide sequences, fragments of at least 15 consecutive nucleotides of these nucleotides, a sequence having at least 80% identity, after optimal alignment, with the nucleotides, a sequence that hybridizes under stringent conditions with the nucleotides, or the complement, or corresponding RNA, of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                diagnosis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Disclosure; Page 386; 771pp; French.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New nucleic acid encoding human prostate membrane-specific antigen, useful e.g. for treatment of tumors and viral infection, also related polypeptide and antibodies.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2003-441574/41.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Telerman A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          17-SEP-2001; 2001FR-00011981.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              primer; probe; tumour suppression; tumour reversion; apoptosis;
virus resistance; transgenic animals; Alzheimer's disease; schizophrenia;
                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 17 BP; 2 A; 3 C; 8 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                             expression of the nucleotides.
                                                Antisense therapy; herpes simplex virus; HSV-1; guanosine; nuclease resistance; stability; ss.
                                                                                                 HSV-1 antisense component of capped oligonucleotide
                                                                                                                                       22-JUL-1997
                                                                                                                                                                                                      AAT44257 standard;
                                                                                                                                                                                                                                                                                                                        1018 GCCAGCACTCCCAG 1031
                                                                                                                                                                                                                                                                                         17
                                                                                                                                                                                                                                                                                                                                                        14;
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                                                                                                                                                                                                                                                                                                                                                                            Similarity
                                                                                                                                                                                                                                                                                                                                                          Conservative
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                                                                                                                                     (first
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                                                                                                                                                                                                        DNA; 17
                                                                                                                                   entry)
                                                                                                                                                                                                                                                                                                                                                                          0.6%;
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                                                                                                                                                                                                                                                                                                                                                            0;
                                                                                                                                                                                                                                                                                                                                                                          Score 14; DB 1; Length 17; Pred. No. 81;
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RESULT 152
AAX33904
AIX 34904
AIX 34904
AIX 34904
AIX AAX339
AIX AAX39
AIX AAX339
AIX AAX39
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Best Local 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 17 BP; 4 A; 1 C; 10 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Ten- to 40-mer oligonucleotides which have a cap of 1-10 (esp. 4) G residues on at least one end are provided; if caps are present at both ends, they can be of the same or different lengths. A cap sequence increases nuclease resistance of the oligonucleotide and also increases cell penetration. The present sequence is that of a preferred oligonucleotide, directed against HSV-1 sequences, which can be capped
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Oligo:nucleotide(s) with series of G residues at at least one end have increased stability against nuclease and cell penetration, - are particanti:sense sequences for treating and diagnosing cancer, viral diseases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           31-JAN-1995;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                cell-cell adhesion receptor; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gene expression inhibitor; probe; nucleic acid detection; growth factor; viral infection; therapy; HSV-1; cancer; restenosis; integrin;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                HSV-1 gene expression inhibitor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    30-JUN-1999
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                                                                                                                                                                                                                                                                                                                                                                                                                                                               Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               for use in antiviral therapy
                                                 WPI; 1996-455932/46
                                                                                                                                                                                                    13-MAR-1995;
24-NOV-1995;
                                                                                                                                                                                                                                                                                                                                                                                      AU9648028-A
                                                                                                                                                                                                                                                                              12-MAR-1996;
                                                                                                                                                                                                                                                                                                                                    26-SEP-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                    Human herpesvirus
                                                                                                                                                      (FARH ) HOECHST AG.
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New phosphono:mono:ester oligo:nucleotide analogues

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Best Local 9
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The present sequence represents the preferred target sequence for an enzymatic nucleic acid, especially a hammerhead ribozyme, which cleaves the human c-myb sequence at the base position indicated in the descriptor line. The c-myb sequence was screened for optimal ribozyme target sites using a computer folding algorithm, and regions of the mRNA which did not form secondary folding structures and contained potential ribozyme cleavage sites were identified. Ribozymes were synthesised and their activities optimised by either varying the length of the binding arms or by modification to prevent degradation by nucleases. The ribozymes the c-myb sequence and can be used to prevent smooth muscle cell
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Enzymatic nucleic acid; hammerhead; ribozyme; cleavage; human; smooth muscle cell; hypernyoliforation
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                                                                                                                                                                                                                                                                                                                                                                                              enzymatic nucleic acid molecules treating restenosis or cancer.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               muscle cell; hyperproliferation; restenosis; cancer; c-myb
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95US-00373124.
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                              The present sequence represents the preferred target sequence for an enzymatic nucleic acid, especially a hammerhead ribozyme, which cleaves the human c-myb sequence at the base position indicated in the descriptor line. The c-myb sequence was screened for optimal ribozyme target sites using a computer folding algorithm, and regions of the mRNA which did not form secondary folding structures and contained potential ribozyme cleavage sites were identified. Ribozymes were synthesised and their activities optimised by either varying the length of the binding arms or by modification to prevent degradation by nucleases. The ribozymes cleave the c-myb sequence and can be used to prevent smooth muscle cell hyperproliferation in restenosis, especially after coronary angioplasty,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   hyperproliferation and in cancers
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                                                                                                                                                                                                                                                                                                                                                                                                                                          smooth muscle
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                       the c-myb sequence hyperproliferation and in cancers
                                                                                                                                                                                                                                                      Stinchcomb DT,
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13-JAN-1995;
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                                                                                                                                                                                                                                                                           (RIBO-) RIBOZYME PHARM INC
                                                                                                                                                                                             enzymatic nucleic acid molecules treating restenosis or cancer.
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                                                                                                                                                                       Page 64; 128pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              standard; RNA; 17
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DT 26-SEE
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Best Local S
Matches 15
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 1; Page 64; 128pp; English.
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13-JAN-1995;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human c-myb hammerhead ribozyme target sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 17
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                   Enzymatic nucleic acid; hammerhead; ribozyme; cleavage; human;
                                                                               Human c-myb hammerhead ribozyme target sequence (nt.
                                                                                                                                    26-SEP-1997
                                                                                                                                                                                             AAT81045;
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  smooth muscle
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     cell; hyperproliferation;
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95US-00373124
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Pred. No. 88
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   88;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New enzymatic nucleic acid molecules - for treating restenosis or cancer.
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                                                                                                                                                                                                                                                                                                               AAX24211 standard; DNA; 17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   18-MAY-1994;
13-JAN-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           18-MAY-1995;
                                                                                                                                                                  Phosphonomonoester analogue; inhibitor; antisense; cancer; ribozyme; diagnostic agent; detection; treatment; disease; integrin; cell-cell adhesion receptor; TNF-alpha; ss.
                                                                                                                                                                                                                                                      01-JUL-1999
                                                                                                                                                                                                                             Phosphonomonoester
                               13-MAR-1995;
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  (FARH ) HOECHST AG
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95US-00373124.
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                               95DE-01008923
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                                                                                                                                                                                                                             oligonucleotide analogue
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1; Length
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therapeutic inhibition of gene
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                                                                                                                                                                                                                                                                                                                                                                                      Plant sequences for ethylene
            The present sequence is a primer for the A. thaliana EIN2 (ethylene insensitive) locus. When transformed into plants EIN2 genomic DNA, or CDNA sequences (obtd. from the EIN2 confer disease tolerance and ethylene insensitivity, with minimal injury or reduction in the harvest yield of saleable material. The plants with disease tolerance may have extensive levels of infection, but little necrosis and few or no lesions.
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                                                                                                                                                                                                                                                                         Example
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on of gene expression, e.g. in cancer or viral
specificity and in vivo stability.
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                                               The present invention describes nucleic acid molecules which modulate t synthesis, expression and/or stability of a mRNA encoding 1 or more receptors of vascular endothelial growth factor (VEGP). A patient (preferably human) having a condition associated with the level of the fms-like tyrosine kinase 1 (flt-1), kinase insert domain containing receptor (KDR) and/or foetal liver kinase 1 (flk-1) (e.g. tumour angiogenesis, ocular diseases, psoriasis and rheumatoid arthritis) can treated by administering the nucleic acid molecule or the expression vector to the patient. AAX67275 to AAX75752 represent specific examples of nucleic acid molecules from the present invention
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           26-OCT-1995;
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like tyrosine kinase 1; kinase insert domain containing receptor;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                stability - useful for treating e.g. turbeumatoid arthritis, etc., in a human
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Human NOGO Amberzyme
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cerebroprotective; nootropic; neuroprotective; antiparkinsonian; cmuscular; CD20; neurite growth inhibitor gene; NCGO; hammerhead ribozymm muscular; CD20; neurite growth inhibitor gene; NCGO; hammerhead ribozymm; NAzymme; inozymme; G-cleaver; amberzymme; zinzyme; lymphoma; leukaemia; B-cell lymphoma; non-Hodgkin's lymphoma; NHI; lymphocyttc leukaemia; human immunodeficiency virus; HIV associated NHI; mantle-cell lymphoma; MCI; immunocytcoma; INC; immune thrombocytcopacia; stroke; dementia; inflammatory arthropathy; cental nervous system injury; cerebrovascular accident; CVA; Alzheimer's disease; multiple sclerosis; chemotherapy-induced neuropathy; amyotrophic lateral sclerosis; ALS; parkinson's disease; ataxia; Huntington's disease; Human; ss; antisense therapy; cytostatic; antiinflammatory; disease; muscular dystrophy; neurodegenerative disease hammerhead ribozyme; haemostatic;

Homo sapiens. Synthetic.

WO200159103-A2

16-AUG-2001

09-FEB-2001; 2001WO-US004273

11-FEB-2000; 28-FEB-2000; 06-MAR-2000; ; 2000US-0181797P. ; 2000US-0185516P. ; 2000US-0187128P.

(RIBO-) (BLAT/) (MCSW/) (CHOW/) RIBOZYME PHARM :
) BLATT L.
) MCSWIGGEN J.

Blatt L, Mcswiggen J, Chowrira

CHOWRIRA B

Nucleic acid molecules, e.g., enzymatic nucleic acids and antisense constructs, which down regulate expression of a CD20 gene or neurite growth inhibitor gene useful for treating, e.g., lymphoma, leukemia, central nervous system injury.

Claim 131; 200pp; English.

The invention relates to a nucleic acid molecule which down regulates compression of a CD20 gene and a nucleic acid molecule which down regulates expression of a neurite growth inhibitor gene (NOGO). The concept of a nucleic acids (e.g. a ribozyme or a nucleic acids (e.g. a ribozyme or a comparison of a neurite growth inhibitor gene (NOGO). The concept of a nucleic acids (e.g. a ribozyme or a comparison of a nucleic acids (e.g. a ribozyme or a comparison of cleaving NNA with a NNA molecule possessing an NCH motif), a G-cleaver (cleaving RNA with a NYM motif) processes of the cleaving RNA with an NGN triplet), a zinzyme (cleaving RNA with a NYM motif) process of composition of cleaving RNA with a NGN triplet), a zinzyme (cleaving RNA with a nuclei with the level of cof contacted may further comprise the use of one or more comparison (NGL), immunocytoma (NHL), bulky low-grade or follicular NHL, lymphoma, low-grade l

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RESULT 162
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28-FEB-2000;
06-MAR-2000;
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                                                                                                                                                                                                                                                                                     Nucleic acid molecules, e.g., enzymatic nucleic acids and constructs, which down regulate expression of a CD20 gene growth inhibitor gene useful for treating, e.g., lymphoma,
  The invention relates to a nucleic acid molecule which down regulates expression of a CD20 gene and a nucleic acid molecule which down regulates expression of a neurite growth inhibitor gene (NOGO). The nucleic acids may be enzymatic nucleic acids (e.g. a ribozyme or a DNAzyme) an Inozyme (an endolytic nucleic acid cleaving a an RNA molecule possessing an NCH motif), a G-cleaver (cleaving RNA with a NYN motif) pr an amberzyme (cleaving RNA with an NGN triplet), a zinzyme (cleaving RNA
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                                                                                                                                                                                                                                                                  central nervous system injury.
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(BLAT/)
(MCSW/)
(CHOW/)
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BLATT L.
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CC with a YGY motif). The CD20-targetting nucleic acid is used to cleave RNA CO of CD20 in the presence of a divalent catton that is preferably Mg^2^+. CC Furthermore, it may be contacted with a cell to reduce CD20 activity of the cell and treat a patient having a condition associated with the level CO fCD20. The treatment may further comprise the use of one or more therapies. In particular, the CD20 targetting nucleic acid may be used to treat lymphoma, leukaemia, B-cell lymphoma, low-grade or follicular non-CC Hodgkin's lymphoma (NHL), bulky low-grade or follicular MHL, lymphocytic leukaemia, HTV (human immunodeficiency virus) associated MHL, mantle-cell lymphoma (MCL), immunocytoma (IMC), small B-cell lymphocytic lymphoma, climanne thrombocytopaemia, and inflammatory arthropathy. The NGGO-CC immune thrombocytopaemia, and inflammatory arthropathy. The NGGO-CC immune thrombocytopaemia, and inflammatory arthropathy. The NGGO-CC immune thrombocytopaemia, and inflammatory arthropathy. The NGGO-CC targetting nucleic acid may be contacted with a cell to reduce NGGO activity of the CC presence of a divalent cation that is preferably Mg^2^+. Furthermore, the CC nucleic acid may be contacted with a cell to reduce NGGO activity of the CC nucleic acid may be contacted with a cell to reduce NGGO activity of the CC nucleic acid may further comprise the use of one or more CC therapies. In particular, the NGGO-targetting nucleic acid may be used to therapies. In particular, the NGGO-targetting nucleic acid may be used to CC themotherapy-induced neuropathy, anyotrophic lateral sclerosis (MS), CC demotherapy-induced neuropathy, anyotrophic lateral sclerosis (ALS), CC arkinson's disease, ataxia, Huntington's disease, Creutzfeld-Jakob CC disease, muscular dystrophy, and/or other neurodegenerative disease contents and amberzyme molecule of the invention
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Sequence 17 BP; 8 A; 0 C; 9 G; 0 T; 0 U; 0 Other;

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RESULT 163
ABK02462
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Human NOGO 12-MAR-2002 ABK02462; ABK02462 standard; Amberzyme #134. (first entry) RNA; 17 gp.

cerebroprotective; nootropic; neuroprotective; antiparkinsonian; muscular; CD20; neurite growth inhibitor gene; NGGO; hammerhead ribozyme; DNAzyme; inozyme; G-cleaver; amberzyme; zinzyme; lymphoma; leukaemia; B-cell lymphoma; non-Hodgkin's lymphome; zinzyme; lymphocytic leukaemia; human immunodeficiency virus; HIV associated NHL; mantle-cell lymphoma; MCL; immunocytoma; IMC, immune thrombocytopaenia; stroke; dementia; inflammatory arthropathy; central nervous system injury; cerebrovascular accident; CVA; Alzheiner's disease; multiple sclerosis; chemotherapy-induced neuropathy; amyotrophic lateral sclerosis; ALS; Parkinson's disease; ataxia; Huntington's disease; Human; ss; antisense therapy; cytostatic; antiinflammatory; haemostatic; cerebroprotective; nootropic; neuroprotective; antiparkinsonian; WO200159103-A2 Synthetic Homo sapiens 16-AUG-2001. Creutzfeldt-Jakob disease; muscular dystrophy; neurodegenerative disease

PRESENTATION OF STREET PRODUCTION OF STREET PRODUCT

11-FEB-2000; 2000US-0181797F 28-FEB-2000; 2000US-0185516F 06-MAR-2000; 2000US-0187128F

09-FEB-2001; 2001WO-US004273

(RIBO-) RIBOZYME PHARM INC

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(MCSW/)
(CHOW/)
Human; ss; antisense therapy; cytostatic; antiinflammatory; haemostatic; cerebroprotective; nootropic; neuroprotective; antiparkinsonian; muscular; CD20; neurite growth inhibitor gene; NGO; hammerhead ribozyme; DNAzyme; inozyme; G-cleaver; amberzyme; zinzyme; lymphoma; leukaemia; B-cell lymphoma; non-Hodgkin's lymphoma; NHL; lymphocytic leukaemia;
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CHOWRIRA B M
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The invention relates to a nucleic acid molecule which down regulates corpression of a CD20 gene and a nucleic acid molecule which down corpulates expression of a neurite growth inhibitor gene (MCGO). The nucleic acids (e.g. a ribozyme or a condition may be enzymatic nucleic acids (e.g. a ribozyme or a corposessing an NCH motif), a G-cleaver (cleaving RNA with a NYM motif) proceed an amberzyme (cleaving RNA with an NGN triplet), a zinzyme (cleaving RNA with a NYM motif) proceed an amberzyme (cleaving RNA with an NGN triplet), a zinzyme (cleaving RNA with a NYM motif). The CD20-targetting nucleic acid is used to cleave RNA corporate it may be contacted with a cell to reduce CD20 activity of the cell and treat a patient having a condition associated with the level of CD20. The treatment may further comprise the use of one or more corporate lymphoma, leukaemia, B-cell lymphoma, low-grade or follicular NHL, lymphocytic corporating nucleic acid may be used to reat lymphoma (MCL); immunocytoma (IMC), small B-cell lymphocytic lymphoma, (MCL); immunocytoma (IMC), small B-cell lymphocytic lymphoma, corporated with a cell to reduce NGO gene in the corporating nucleic acid may be contacted with a cell to reduce NGO gene in the corporating nucleic acid may be contacted with a cell to reduce NGO gene in the corporating nucleic acid may be contacted with a cell to reduce NGO gene in the corporating nucleic acid may be contacted with a cell to reduce NGO activity of the corporating nucleic acid may be used to chargeting nucleic acid may be used to creat central nervous system (NS); injury and cerebrovascular accident corporation and treat a patient having a condition associated with the level of the corporation and treat acident corporation and cerebrovascular accident corporation and cerebrovascular accident corporation and cerebrovascular accident corporation and cerebrovascular accident corporation and cerebrovascular corporation and cerebrovascular corporation and cerebrovascular corporation and cerebrovascular corporatio
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28-FEB-2000; 2000US-0185516P.
06-MAR-2000; 2000US-0187128P.
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y; central nervous system injury
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    of the
    invention
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Best Local Similarity

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28-FEB-2000;
06-MAR-2000;
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The invention relates to a nucleic acid molecule which down regulates expression of a CD20 gene and a nucleic acid molecule which down regulates expression of a neurite growth inhibitor gene (NGGO). The nucleic acids may be enzymatic nucleic acids (e.g. a ribozyme or a DNAzyme) an Inozyme (an endolytic nucleic acids (e.g. a ribozyme or a gossessing an NCH motif), a G-cleaver (cleaving RNA with an NGN triplet), a zinzyme (cleaving RNA with an NGN triplet), a zinzyme (cleaving RNA with an NGN triplet), a zinzyme (cleaving RNA with an NGN triplet) a zinzyme (cleaving RNA of CD20 in the presence of a divalent cation that is preferably Mg^2+. Furthermore, it may be contacted with a cell to reduce CD20 activity of the cell and treat a patient having a condition associated with the level of CD20. The treatment may further comprise these of one or more therapies. In particular, the CD20 targetting nucleic acid may be used to treat lymphoma, leukaemia, B-cell lymphoma, low-grade or follicular non-
                                                                                                                                                                                                                                                                                                                                        Nucleic acid molecules, e.g., enzymatic nucleic acids and antisense constructs, which down regulate expression of a CD20 gene or neurity growth inhibitor gene useful for treating, e.g., lymphoma, leukemia
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                                                                                                                                                                                                                                                                                                                          central nervous system injury.
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                                                                                                                                                                                                                                                                                 88; Page 80; 200pp; English.
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BLATT L.
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2000US-0185516P.
2000US-0187128P.
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28-FEB-2000; 2000US-0185516P
06-MAR-2000; 2000US-0187128P
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                                                              Blatt L,
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                                                                                                                         ) RIBOZYME PHARM INC.
) BLATT L.
) MCSWIGGEN J.
) CHOWRIRA B M.
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                                                                  Mcswiggen J,
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                                                                     Chowrira
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Pred. No. 8
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WPI; 2001-607195/69

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The invention relates to a nucleic acid molecule which down regulates CC expression of a CD20 gene and a nucleic acid molecule which down regulates expression of a neurite growth inhibitor gene (NGGO). The CC nucleic acids may be enzymatic nucleic acids (e.g. a ribozyme or a CC DNazyme) an Inozyme (an endolytic nucleic acids (e.g. a ribozyme or a CC DNazyme) an Inozyme (an endolytic nucleic acid cleaving an RNA molecule oposessing an NCH motif) a G-cleaver (cleaving RNA with a NGN triplet), a zinzyme (cleaving RNA cC with a YGY motif). The CD20-targetting nucleic acid is used to cleaving RNA co f CD20 in the presence of a divalent cation that is preferably MG2^+.

CC Furthermore, it may be contacted with a cell to reduce CD20 activity of the cell and treat a patient having a condition associated with the level of CD20. The treatment may further comprise the use of one or more cureat lymphoma, leukaemia, B-cell lymphoma, low-grade or follicular non-cc leukaemia, HIV (human immunodeficiency virus) associated NHL, mantle-cell lymphoma (MCL), immunocytoma (IMC), small B-cell lymphocytic lymphoma, includency condition associated NHL, mantle-cell cleukaemia, HIV (human immunodeficiency virus) associated NHL, mantle-cell lymphoma (MCL), immunocytoma (IMC), small B-cell lymphocytic lymphoma, included acid may be contacted with a cell to reduce MOGO gene in the presence of a divalent cation that is preferably Mg^2+. Furthermore, the curlet acid may be contacted with a cell to reduce MOGO activity of the cell and treat a patient having a condition associated with the level of therapies. In particular, the NGGO-targetting nucleic acid may be used to creat central reduced neuropathy, amyotrophic lateral sclerosis (MS), chemotherapy-induced neuropathy, amyotrophic lateral sclerosis (MS), chemotherapy-induced neuropathy, amyotrophic lateral sclerosis (MLS), chemotherapy-induced neuropathy, amyotrophic lateral sclerosis (MLS), chemotherapy-induced neuropathy, amyotrophic lateral sclerosis (MLS), chemotherapy-induced neuropath
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Sequence 17 BP; 8 A; 0 C; 9 ብ 0 T; 0 ď; 0 Other;

Query Match Best Local S Matches 15 1 Similarity
15; Conser Conservative 88.2%; 0 Score 13.8; D Pred. No. 88; 0; Mismatches DB 1; 2 Length 17; Indels 0 Gaps

0

Ś 1765 AAGATGAGGAGGAGGAG 1781 17

RESULT 167 ABA78082/c 밁  $\vdash$ AAGAGGAGGAAGAG

ABA78082 standard; DNA; ВP

24-JAN-2002 (first entry)

BRCA1 mutation correcting oligonucleotide SEQ ID NO. 928.

Human; gene therapy; adenosine deaminase deficiency; p53; beta-globin; retinoblastoma; BRCA1; BRCA2; CFTR; cystic fibrosis; cancer; Factor V; cyclin-dependent kinase inhibitor 2A; CDKN2A; melanoma; APC; HBA1; HBA2; adenomatous polyposis of the colon; Factor VII; Factor IX; thrombosis; haemophilia; alpha thalassaemia; haemoglobin alpha locus 1; MLH1; APOE; mismatch repair; MSH2; MSH6; hyperlipidaemia; apolipoprotein E; LDLR; familial hypercholesterolaemia; UGT1; syndrome; APP; PSENI; antisense; UDP-glucuronosyltransferase; amyloid precursor protein; presenilin-1; Alzheimer's disease; cytostatic; antisickling; antianaemic; haemostatic; antilipemic;

Homo sapiens

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27-MAR-2000;
27-MAR-2000;
01-JUN-2000;
30-OCT-2000;
                                                                                                     WPI;
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                                                                                                     2001-639230/73.
                                                                                                             EB,
                                                                                                             Gamper HB,
                                                                                                                             ; 2000US-0192176P.
; 2000US-0192179P.
; 2000US-0208538P.
; 2000US-0244989P.
                                                                                                                      DELAWARE
                                                                                                             Rice
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Oligonucleotide But cystic for targeted alterations of genetic sequences and for fibrosis, comprises at least one mismatch and chemical

Claim 7; Page 100; 294pp; English

oligonucleotides of the invention

Sequence 17 BP; 3 A; 8 C; 2G; 4 T; 0 ₽, 0 Other;

Query Match Best Local S Matches 15 15; Similarity Conservative 0.5%; 0 Score 13.8; Pred. No. 8 Mismatches 88; BB ۲. 2; Length 17; Indels 0 Gaps 0,

片 Ś 1264 AGCTGGAAGAGGCTGAG 1280 17

ABA78081 standard; DNA; 17

ABA78081;

24-JAN-2002 (first entry)

BRCA1 mutation correcting oligonucleotide SEQ ID NO:

RESULT 168
ABA78081
ID ABA7808
AC ABA780
AC ABA780
XX
ZY 24-JAN
XY
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KW Fundan;
KW retinc
KW retinc
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KW JDP-gjar Human; gene therapy; adenosine deaminase deficiency; p53; beta-globin; retinoblastoma; BRCA1; BRCA2; CFTR; cystic fibrosis; cancer; Factor V; cyclin-dependent kinase inhibitor 2A; CDKN2A; melanoma; APC; HBA1; HBA2; adenomatous polyposis of the colon; Factor VII; Factor XI; thrombosis; haemophilia; alpha thalassaemia; haemoglobin alpha locus 1; MLH1; APOE; mismatch repair; MSH2; MSH4; hyperlipidaemia; apolipoprotein E; LDLR; familial hypercholesterolaemia; UGT1; syndrome; APP; PSRNI; antisense; UDP-glucuronosyltransferase; amyloid precursor protein; presenilin-1; Alzheimer's disease; cytostatic; antisickling; antianaemic; haemostatic; antisickling; antianaemic; haemostatic; antilipemic;

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Matches 15
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The present invention provides single-stranded oligonucleotides which can be used for the targeted alteration of genomic sequences, where the oligonucleotide has at least one mismatch compared with the genomic sequence to be altered. In particular, these sequences are directed at the following genes: adenosine deaminase, p53, beta-globin, retinoblastoms, BRCAL, BRCAL, CFTR, cyclin-dependent kinase inhibitor 2A retinoblastoms.
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27-MAR-2000; 2000US-0192179P.
01-UUN-2000; 2000US-0208538P.
30-OCT-2000; 2000US-0244989P.
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treating cystic
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence
                                              WO200192524-A2
                                                                                                             Human; genome-derived myosin-like protein 1; GDMLP-1; hGDMLP-1; heart; muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease; skeletal muscle disorder; amplicon; screening; ss.
                                                                                                                                                                             Human GDMLP-1
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Pred. No. 88
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06-DEC-2001

RESULT 170
ABN02601
ID ABN026
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AC ABN026
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DT 29-MAY
XX
DT 19-MAY
XX
DT Human

ABN02601 standard; DNA; 17

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29-MAY-2002 ABN02601;

(first entry)

Human GDMLP-1 17-mer scanning SEQ ID NO:4 sequence SEQ ID

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Matches 15
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                                                                                                                                                     therapeutic supplement in patients having specific deficiency in hGDMLP-1 production, and in vaccines or for replacement therapy. The polynucleotide sequences encoding hGDMLP-1 may be used for diagnosing a disorder associated with the expression of hGDMLP-1, in particular heart and skeletal muscle disorders. hGDMLP-1 is localised to chromosome 22. The present sequence represents an oligomer used in the screening of the hGDMLP-1 sequence in the exemplification of the present invention. N.B. The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published_pct_sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New polypeptide, for raising antibodies that recognize hGDMLP-1 proteins, or as specific biomolecule capture probes for surface-enhanced laser desorption ionization, comprises human myosin-like protein hGDMLP-1.
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21-SEP-2000;
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The present invention describes a human genome-derived myosin-like protein 1 (hcDMLP-1). The protein and polynucleotide sequences of hcDMLP-1 can be used in gene therapy and vaccine production. The hcDMLP-1 curvaled acids can be used as probe to detect, characterise and quantify hcDMLP-1 nucleic acids in samples, as amplification substrates, to provide initial substrates for the recombinant engineering of hcDMLP-1 curvaled initial substrates for the recombinant engineering of hcDMLP-1 protein variants having desired phenotypic improvements, and for expressing the proteins. The hcDMLP-1 proteins or polypeptides may be used as immungens to raise antibodies that specifically recognise hcDMLP-1 proteins, as scandards in assays used to determine the concentration and/or amount specifically of hcDMLP proteins, as specific biomolecule capture probes for surface-enhanced laser desorption ionisation, as theraputic supplement in patients having specific deficiency in hcDMLP-1 composition, and in vaccines or for replacement therapy. The polynucleotide sequences encoding hcDMLP-1 may be used for diagnosing a cliotofer associated with the expression of hcDMLP-1 in particular heart cand skeletal muscle disorders. hcDMLP-1 is localised to chromosome 22. The present sequence represents an oligomer used in the screening of the present invention. N.B. The sequence data for this patent did not form part of the printed great further with the accurate control of the printed in electronic format directly from WIPO as format directly from WIPO.
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Matches 15
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                                                                                                                                                                  Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Disclosure;
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2001WO-US000666.
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2001WO-US000679.
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2001US-0266860P.
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2000US-0234687P
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                                                               Score 13.8; I
Pred. No. 88;
0; Mismatches
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RESULT 171
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27-SEP-2000;
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2001WO-US000661.
2001WO-US000662.
2001WO-US000664.
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2002-179446/23. Ľ. Penn SG, Hanzel DK, Rank DR, Chen Σ, Shannon

New polypeptide, for raising antibodies that recognize hGDMLP-1 proteins, or as specific biomolecule capture probes for surface-enhanced laser desorption ionization, comprises human myosin-like protein hGDMLP-1.

Disclosure; SEQ ID NO 8082; 214pp; English.

The present invention describes a human genome-derived myosin-like protein 1 (hGDMLP-1). The protein and polynucleotide sequences of hGDMLP-CC can be used in gene therapy and vaccine production. The hGDMLP-1 cC nucleic acids can be used as probes to detect, characterise and quantify conside initial substrates for the recombinant engineering of hGDMLP-1 cc provide initial substrates for the recombinant engineering of hGDMLP-1 cc protein variants having desired phenotypic improvements, and for cused as immungens to raise antibodies that specifically recognise hGDMLP-1 proteins or polypeptides may be cused as immungens to raise antibodies that specifically recognise hGDMLP-1 cc proteins, as standards in assays used to determine the concentration cand/or amount specifically of hGDMLP proteins, as specific biomolecule capture probes for surface-enhanced laser desorption ionisation, as concentration, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The polynucleotide sequences encoding hGDMLP-1 may be used for diagnosing a cdisorder associated with the expression of hGDMLP-1, in particular heart cf and skeletal muscle disorders. hGDMLP-1 is localised to chromosome 22. The present sequence represents an oligomer used in the screening of the present invention. W.B. The sequence data for this patent did not form part of the printed constituted and sequence and the exemplification of the printed directly from WIPO recognise hGDMLP

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CAGGGTGCCATGGAGAT

17

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RESULT 172
ABNO7862/c
ID ABNO7862;
XX ABNO7862;
XX ABNO7862;
XX ABNO7862;
XX ABNO7862;
XX Human GDMI
XX Human; gen
KW muscle; m)
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XX MO2001925;
XX WO2001925;
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Best Local Similarity 88.3
Matches 15; Conservative
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21-SEP-2000;

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30-JAN-2001;
The present invention describes a human genome-derived myosin-like protein 1 (hGDMLP-1). The protein and polynucleotide sequences of h 1 can be used in gene therapy and vaccine production. The hGDMLP-1 nucleic acids can be used as probes to detect, characterise and quantification substrates, to provide initial substrates for the recombinant engineering of hGDMLP protein variants having desired phenotypic improvements, and for expressing the proteins. The hGDMLP-1 proteins or polypeptides may used as immunogens to raise antibodies that specifically recognises -1 proteins, as standards in assays used to determine the concentra
                                                                                                                                                                                                                                                                                                                                New polypeptide, for raising antibodies that recognize hGDMLP-1 proteins or as specific biomolecule capture probes for surface-enhanced laser desorption ionization, comprises human myosin-like protein hGDMLP-1.
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                                                                                                                                                                                                                                                                                    Disclosure; SEQ ID NO 7854;
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30-JAN-2001;
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Pred. No. 88;
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                        ptides may be recognise hGDMLP
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RESULT 173
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XX ABN107
XX ABN107
XX ABN107
XX Human;
XX Human;
XX Human;
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XX Homo s
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30-JAN-2001;
30-JAN-2001;
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21-SEP-2000;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human; genome-derived myosin-like protein 1; GDMLP-1; muscle; myosin; chromosome 22; gene therapy; vaccine; skeletal muscle disorder; amplicon; screening; ss.
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30-JAN-2001;
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; 2001WO-US000664.
; 2001WO-US000665.
; 2001WO-US000666.
; 2001WO-US000666.
; 2001WO-US000667.
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; 2001WO-US000669.
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; 2001US-0266860P.
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New polypeptide, for raising antibodies that recognize hGDMLP-1 proteins, or as specific biomolecule capture probes for surface-enhanced laser desorption ionization, comprises human myosin-like protein hGDMLP-1.

SEQ

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Penn

SG,

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RESULT 174
ABN1071A8/c
ID ABN107
XX 29-MAY
XX 29-MAY
XX Human;
XX Human;
XX Human;
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21-SEP-2000;
27-SEP-2000;
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2000US-0234687P.
2000US-0236359P.
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Pred. No. 88;
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(AEOM-) AEOMICA
                                              Penn SG,
                                               Hanzel DK,
                                               Rank
                                               DR,
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                                               Shannon ME;
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New polypeptide, for raising antibodies that recognize hGDMLP-1 proteins, or as specific biomolecule capture probes for surface-enhanced laser desorption ionization, comprises human myosin-like protein hGDMLP-1.

Disclosure; SEQ ID NO 10740; 214pp; English

Sequence

17 BP; 1 A; 4 C; 7

G; 5 T; 0 U; 0 Other;

0

The present invention describes a human genome-derived myosin-like CC protein 1 (hgDMLP-1). The protein and polynucleotide sequences of hgDMLP-1 can be used in gene therapy and vaccine production. The hgDMLP-1 cc nucleic acids can be used as probes to detect, characterise and quantify chowled initial substrates for the recombinant engineering of hgDMLP-1 correction variants having desired phenotypic improvements, and for expressing the proteins. The hGDMLP-1 proteins or polypeptides may be used as immunogens to raise antibodies that specifically recognise hGDMLP-1 proteins, as standards in assays used to determine the concentration and/or amount specifically of hGDMLP proteins, as specific biomolecule capture probes for surface-enhanced laser description ionisation, as concentration, and in vaccines or for replacement the concentration of capture probes for surface-enhanced laser description ionisation, as concentration, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The polynucleotide sequences encoding hGDMLP-1 may be used for diagnosing a construction of the sequence valuate the concentration of the present sequence in the expression of hGDMLP-1, in particular heart and skeletal muscle disorders. hGDMLP-1 is localised to chromosome 22. The present sequence represents an oligomer used in the screening of the home. The present sequence in the exemplification of the present invention. N.B. The sequence data for this pattent did not form part of the printed constitution of the printed sequence data for this pattent did not form part of the printed constitution. In the sequence data for this pattent did not form part of the printed constitution.

CC protein 1 (hobMLP-1). The protein and polynuclectide sequences of hobMLP-1 can be used in gene therapy and vaccine production. The hobMLP-1 con be used as probes to detect, characterise and quantify CC nucleic acids can be used as probes to detect, characterise and quantify CC provide initial substrates for the recombinant engineering of hobMLP-1 copyride initial substrates for the recombinant engineering of hobMLP-1 copyrides may be grotein variants having desired phenotypic improvements, and for CC expressing the proteins. The hobMLP-1 proteins or polypeptides may be used as immunogens to raise antibodies that specifically recognise hobMLP-1 proteins, as standards in assays used to determine the concentration and/or amount specifically of hobMLP proteins, as specific biomolecule capture probes for surface-enhanced laser description ionisation, as characterion, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The copyrucleotide sequences encoding hobMLP-1 may be used for diagnosing a copyrucleotide sequence sencoding hobMLP-1 may be used for diagnosing a copyrucleotide sequence with the expression of hobMLP-1, in particular heart can skeletal muscle disorders. hobMLP-1 is localised to chromosome 22. The present sequence represents an oligomer used in the screening of the C hobMLP-1 sequence in the exemplification of the present invention. N.B. The protein of the princed cata for this pastent did not form part of the princed copyrined cata for this pastent did not form part of the princed copyrined cata for this pastent did not form part of the princed copyrined cata for this pastent did not form part of the princed copyrined cata for this pastent did not form part of the princed copyrined cata for this pastent did not form part of the princed copyrined cata for this pastent did not form part of the princed copyrined cata for this pastent did not form part of the princed cata for the princed cata for the princed cata for the princed cata for the princed The present invention describes a human genome-derived myosin-like

Sequence 17 BP; 1 A; 5 C; 6 G; 5 T; 0 U; 0 Other;

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                1445 GGCCACCACACTGGGAG 1461
 17 GCCAACCACACTGGGAG 1
                                  l Similarity 88.2
15; Conservative
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Pred. No. 8
                                    Mismatches
                                            88;
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                                    Indels
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ΒP
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17-mer scanning

SEQ ID NO:5 sequence

SEQ ID NO:6611.

RESULT 175
ABNO6619/c
ID ABNO6619;
XX ABNO6619;
XX 29-MAY-2002 (first entry)
XX 29-MAY-2002 (first entry)
XX Human GDMLP-1 17-mer scanning
XX Human; genome-derived myosin.
XW muscle; myosin; chromosome 22
XW skeletal muscle disorder; amp
XX 805 Homo sapiens.
XX W0200192524-A2.
XX W0200192524-A2.
XX 25-MAY-2001; 2001WO-US016981
XX 25-MAY-2000; 2000US-023359p
PR 21-SEP-2000; 2000US-023359p
PR 04-OCT-2000; 2000US-0234687p
PR 30-JAN-2001; 2001WO-US00661 Human; genome-derived myosin-like protein 1; GDMLP-1; hGDMLP-1; heart; muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease; skeletal muscle disorder; amplicon; screening; ss. 2000US-0207456P. 2000US-0234687P. 2000US-0236359P. 2000GB-00024263. 2001WO-US000661. 2001WO-US016981.

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RESULT 176
ABN08656
ID ABN086
XX ABN086
XX AEN086
XX JEFF ABNO86
XX LEFF ABNO86
XX LEFF ABNO86
XX LEFF ABNO86
XX LEFF ABNO86
XX MUMBALE
XX MUMBALE
XX SKELE
XX SKELE
XX HOMO
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The present invention describes a human genome-derived myosin-like CC protein 1 (hGDMLP-1). The protein and polynucleotide sequences of hGDMLP-1 can be used in gene therapy and vaccine production. The hGDMLP-1 cC nucleic acids can be used as probes to detect, characterise and quantify cc hGDMLP-1 nucleic acids in samples, as amplification substrates, to cc provide initial substrates for the recombinant engineering of hGDMLP-1 cc protein variants having desired phenotypic improvements, and for cexpressing the proteins. The hGDMLP-1 proteins or polypeptides may be compared as immunogens to raise antibodies that specifically recognise hGDMLP-1 proteins, as specific biomolecule capture probes for surface-enhanced laser description ionisation, as cc capture probes for surface-enhanced laser description ionisation, as cc capture probes for surface-enhanced laser description ionisation, as cc capture probes for surface-enhanced laser description ionisation, as cc capture probes for surface-enhanced laser description deficiency in hGDMLP-1 cc production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy in hGDMLP-1 cc production, and in vaccines or for replacement therapy. The conjuncted associated with the expression of hGDMLP-1 in particular heart cc disorder associated with the expression of hGDMLP-1 in particular heart cc hgbMLP-1 sequence in the expression of hGDMLP-1.

The sequence data for this patent did not form part of the printed cc hgbMLP-1 sequence data for this patent did not form part of the printed cc specification, but was obtained in electronic format directly from MIPO cc at fig. MIPO. In the sequence of the printed se
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30-JAN-2001;
30-JAN-2001;
                                                             Human; genome-derived myosin-like protein 1; GDMLP-1; hGDMLP-1; heart; muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease; skeletal muscle disorder; amplicon; screening; ss.
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                                                                                                                                                    Human GDMLP-1
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2001WO-US000668.

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2001WO-US000669.

2001WO-US000669.

2001WS-0266860P.
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                                                                                                                                                       17-mer scanning SEQ ID NO:5 sequence
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Homo sapiens

RESULT 177
ABN00935
ID ABN009
XX
AC ABN009

standard; DNA;

17

ABN00935 ABN00935 밁

CTGCAGCTGCAGCTGGA 17

Gaps

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The present invention describes a human genome-derived myosin-like corporein 1 (hgbMLP-1). The protein and polynuclectide sequences of hgbMLP-1 can be used in gene therapy and vaccine production. The hgbMLP-1 concleic acids can be used as probes to detect, characterise and quantify checked initial substrates for the recombinant engineering of hgbMLP-1 corporate in variants having desired phenotypic improvements, and for ceapressing the proteins. The hgbMLP-1 proteins or polypeptides may be used as immunogens to raise antibodies that specifically recognise hgbMLP-1 proteins, as standards in assays used to determine the concentration capture probes for surface-enhanced laser description ionisation, as conficultion, and in vaccines or for replacement therapy. The polynucleotide sequences encoding hgbMLP-1 may be used for diagnosing a collection and in vaccines or for replacement therapy. The collar associated with the expression of hgbMLP-1, in particular heart can disorder associated with the expression of hgbMLP-1, in particular heart can disorder associated with the expression of hgbMLP-1.

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The present invention describes a human genome-derived myosin-like protein 1 (hGDMLP-1). The protein and polynucleotide sequences of hGDMLP-1 can be used in gene therapy and vaccine production. The hGDMLP-1 conclude a can be used as probes to detect, characterise and quantify mucleic acids in samples, as amplification substrates, to provide initial substrates for the recombinant engineering of hGDMLP-1 concluded initial substrates for the recombinant engineering of hGDMLP-1 protein variants having desired phenotypic improvements, and for expressing the proteins. The hGDMLP-1 proteins or polypeptides may be called as immunogens to raise antibodies that specifically recognise hGDMLP-1 proteins, as standards in assays used to determine the concentration can dora amount specifically of hGDMLP proteins, as specific biomolecule capture probes for surface-enhanced laser description ionisation, as conformation, and in vaccines or for replacement therapy. The polynucleotide sequences encoding hGDMLP-1 may be used for diagnosing a disorder associated with the expression of hGDMLP-1 in particular heart can disorder associated with the expression of hGDMLP-1, in particular heart can be sequenced associated with the expression of hGDMLP-1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human;
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in KTC
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The invention relates to a novel isolated nucleic acid encoding human KTOM1 (kidney tumour overexpressed membrane) protein. The protein of the invention has cytostatic activity. The nucleotide may have a use in gene therapy. The KTOM1 nucleic acids may be used to diagnose, treat or monitor a disease caused by altered expression of human KTOM1.
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n KTOM1 which
g., liver or l
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                                                                                                                                                                                                                                                   kidney tumor
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2000US-02345359P.
2000GB-00024263.
2001WO-US000661.
2001WO-US000662.
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lein, useful for treating subjects having defects
liest as cancer of the kidney, or as a disorder of
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Pred. No. 88;
O; Mismatches
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The invention KTOM1 (kidney invention has

tumour overexpressed membrane) protein. The protein cyrostatic activity. The nucleotide may have a use i

orin

gene

human

of the

Example

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Page 177;

418pp;

English.

therapy.

New human kidney tumor overs acids encoding the protein, in KTOM1 which can manifest e.g., liver or bone.

overexpressed membrane (KTOM1) protein and nucleic tein, useful for treating subjects having defects ifest as cancer of the kidney, or as a disorder of

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RESULT 180
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XX W Human
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Compositions comprising the nucleic acids, proteins or antibodies used to treat subjects having defects in KTOMI which can manifest cancer of the kidney, as well as a disorder of liver, bone marrow, heart, lung, kidney, colon, skeletal muscle, testis, uterus and pl function. The sequence represents a probe used in the invention to the nt 1-1001 portion of human KTOMIa (ABQ63232)
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therapy; o
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15; Conservative
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                                                                                                                                                                                                                                                                                                                                        AEOMICA
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72001WG-US000669.
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kidney; liver; bone marrow; brain; heart; lung;
al muscle; testis; uterus; placenta; probe; ss.
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30-JAN-2001;
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                                                                                                                                                         human kidney tumor overexpressed membrane (KTOM1) protein and nucdes encoding the protein, useful for treating subjects having defected which can manifest as cancer of the kidney, or as a disorder
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1635
                                                                                                                                                                                                                                               2002-479509/51.
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                                                                                                                                                                                                                                                                                                                                           AEOMICA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             17
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nilarity 88.2%;
Conservative
                                                                                                                                                                                                                                                                                                                                                                               2000US-0234687P.
2000US-0236359P.
2000GB-00024263
2001WO-US000661.
2001WO-US000662.
2001WO-US000665.
2001WO-US000666.
2001WO-US000666.
2001WO-US000666.
2001WO-US000666.
2001WO-US000667.
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2001WO-US000667.
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2001WO-US000669.
2001WO-US000679.
2001US-0315676P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       portion
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                                                                                                                                   the pocan mandone.
                                                                                                                                                                                                                                                                                                                                           INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        by altered expression of human KTOM1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           G; 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 13.8;
Pred. No. 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          probe
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Example

2; Page

231;

418pp;

English

The present invention relates to human testis expressed Patched like protein (HTPL, see ABV78759 to ABV78762 and ABB98519 to ABB98520). HTPL has two isoforms, with a few single base pair differences between the two. One of the single base pair changes introduces a premature stop codon in HTPL-S (S for short) compared to HTPL-L (L for long). HTPL shared an overall structure organisation with the Patched protein. The shared structural features strongly imply that HTPL plays a role similar to that of Patched, and is a potential tumour suppressor. HTPL is important in regulating male germ cell development, and the HTPL gene was

similar

was

Example 2;

Page 110; 718pp; English.

identifying agonis treating subjects

having

defects

ä

HTPL

partners,

useful rs, and

Novel isolated human testis expressed Patched like protein (HTPL), for identifying agonist and antagonist and specific binding partner

WPI; 2002-676582/73.

invention W1 (kidney

relates to

s to a novel isolated nucleic acid encoding human overexpressed membrane) protein. The protein of the atic activity. The nucleotide may have a use in gene

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RESULT 182
ABV79112/c
ID ABV7991
AC ABV791
AC 
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Best Local S
Matches 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           30-JAN-2001; 2001WO-US000663.
30-JAN-2001; 2001WO-US000664.
30-JAN-2001; 2001WO-US000667.
30-JAN-2001; 2001WO-US000667.
30-JAN-2001; 2001WO-US000668.
30-JAN-2001; 2001WO-US000669.
23-MAY-2001; 2001WO-US000669.
23-MAY-2001; 2001US-00864761.
09-OCT-2001; 2001US-0327898P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       therapy. The KTOM1 nucleic acids may be used to diagnose, treat or monitor a disease caused by altered expression of human KTOM1. Compositions comprising the nucleic acids, proteins or antibodies mused to treat subjects having defects in KTOM1 which can manifest a cancer of the kidney, as well as a disorder of liver, bone marrow, heart, lung, kidney, colon, skelettal muscle, testis, uterus and pla function. The sequence represents a probe used in the invention to the nt 1-1001 portion of human KTOM1a (ABQ63232)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    male germ
prostate;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABV79112;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (AEOM-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1748
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 , gene therapy; tumour suppressor; HTPL; chromosome 10p12.1; testis expressed Patched like protein; testis; adrenal; liver; germ cell development; bone marrow; brain; kidney; lung; placen ate; skeletal muscle; colon; male infertility; cancer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CATTGTAGCTGAAGTTG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (first
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     oligonucleotide SEQ
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2
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RESULT 183
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Best Local (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 mapped to human chromosome 10p12.1. HTPL and its coding sequence are useful for diagnosing a disorder caused by mutation in HTPL, and in therapy and manufacture of a medicament for treatment or prevention of such disorder associated with decreased expression or activity of human HTPL. Such disorders include disorders of tests, or adrenal, adult and foetal liver, bone marrow, brain, kidney, lung, placenta, prostate, skeletal muscle or colon function. HTPL proteins and nucleic acids are clinically useful diagnostic markers and potental therapeutic agents for male infertility and cancer. The present oligonucleotide was used in an example from the invention
                                               The invention relates to a nucleic acid molecule (I) which down expression of an Ets-related gene (ERG). (I) is useful for treat; conditions selected from cancer, lymphoma, Ewing's sarcoma, melantumour angiogenesis, diabetic retinopathy, macular degeneration, neovascular glaucoma, myopic degeneration, arthritis, psoriasis,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        vilnerary; cancer; lymphoma; Ewing's Barcoma; melanoma; psoriasis; tumour angiogenesis; diabetic retinopathy; macular degeneration; neovascular glaucoma; myopic degeneration; arthritis; verruca vulgaris; angiofibroma of tuberous sclerosis; port-wine stain; wound healing; sturge Weber syndrome; Kippel-Trenaunay-Weber syndrome; leukaemia; ss; Osler-Weber-rendu syndrome, leukaemia; osteoporosis; DNAzyme; inozyme;
                 vulgaris, angiofibroma of tuberous sclerosis, port-wine stains, St
Weber syndrome, Kippel-Trenaunay-Weber syndrome, Osler-Weber-rendu
                                                                                                                                                                                              arthritis,
                                                                                                                                                                                                                                                                                                                                      (RIBO-)
                                                                                                                                                                                                                                                                                                                                                                                            16-MAY-2000; 2000US-00572021
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                                                                                                                                                                                                                                                                                                      Jarvis
                                                                                                                                                                                                                                                                                                                                                                                                                              16-MAY-2001; 2001WO-US015866
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Homo sapiens.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABK19390
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                                                                                                                                                                                          polynucleotide which down regulates expression of Ets-related gene, I for treating cancer, diabetic retinopathy, macular degeneration, itis, psoriamis, verruca vulgaris and Sturge Weber syndrome.
                                                                                                                                                         4; Page 127; 149pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ERG Amberzyme target sequence Seq ID No 2037.
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                                                                                                                                                                                                                                                                                                      'n
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   hammerhead ribozyme; cytostatic;
                                                                                                                                                                                                                                                                                                                                      RIBOZYME PHI
GLAXO GROUP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Similarity
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                                                                                                                                                                                                                                                                                                                                                         INC.
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                                                                                                                                                           English.
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                                                                                                                                                                                                                                                                                                    Mcswiggen JA,
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                                                                                                    c acid molecule (I) which down regulates (ERG). (I) is useful for treating
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                                                   psoriasis, verruca
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Best Local S
Matches 15
         This sequence represents an isolated nucleic acid sequence associated with tumour suppression or regression, apoptosis or virus resistance. invention relates to these sequences or sequences having at least 80% identity to them, and polypeptides encoded by the sequences or polypeptides having 80% identity to the polypeptide sequences. The invention is used to diagnose or treat viral disease conditions to the polypeptide sequences.
                                                                                                                                                                                                                                                                                                                                                                                                                                                        tumour regression; cellular degenerati
                                                                                                                               Claim
                                                                                                                                                                          apoptosis
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       tumour suppressor; antitumour; cytostatic; tumour suppression;
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                                                                                                                            Page 655; 798pp;
                                                                                                                                                          development of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            standard; DNA;
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                                                                                                                                                       ic acid sequences associated with tumor suppression, a or virus resistance are useful to diagnose and treat development of tumor cells and cell degeneration.
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ABT34968
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                             The invention relates to a novel isolated 17 mer nucleic acid sequence, complying the specification, a sequence containing at least 15 consecutive nuclectides from the 17 mer sequence, a sequence with, after optimal that least 80 % identity to the 17 mer sequence that hybridizes to them under highly stringent conditions, or the complement cof any of them, or the corresponding RNA. The novel isolated nucleic cof any of the invention are useful as probes and primers for detecting, clientifying, quantifying and/or amplifying a nucleic acid, e.g. as one component of a gene chip, in vitro as (anti)sense reagents, and for production of recombinant polypeptides. Any of the nucleic acids, component of a gene chip, in vitro as (anti)sense reagents, and for component of a gene chip, in vitro as (anti)sense reagents, and for polypeptides, vectors containing the nucleic acids, cells containing the vector or antibodies directed against the polypeptides are useful for preparation of pharmaceuticals for prevention and/or treatment of viral components of the are characterised by development of tumours or cell containing the nucleic acids in containing the polypeptides can also be used to generate antibodies, and containing the polypeptides can also be used to generate antibodies, and containing the polypeptides can also be used to generate antibodies, and containing the polypeptides acid sequences of the invention can be used in gene characteride sequence so the invention can be used in gene containing the containing the polypeptides acid sequence are presents a tumour suppression of the invention can be used in gene containing the containing the containing the containing the polypeptides can also be used to generate antibodies.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Disclosure; Page 104; 720pp; French.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New isolated nucleic acid, useful for treating viral diseases associated with tumors and cell degeneration, also related polypeptides, antibodies and transfected cells.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                17-SEP-2002; 2002WO-IB004208
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The invention describes an enzymatic nucleic acid molecule (1) which down regulates expression of a sequence encoding a subunit of nuclear factor kappa B (NPEB), where (1) is an inozyme, zinzyme, G-cleaver or amberzyme configuration. The enzymatic nucleic acid molecule is adapted to treat cancer and is useful for down-regulating REL-A activity in a cell, for treating a patient having a condition associated with the level of REL-A. (1) is useful for cleaving RNA comprising a sequence of REL-A gene, in the presence of a divalent cation, especially Mg^2+. The enzymatic and antisense nucleic acid molecules are useful for treating breast, lung, prostate, colorectal, brain, oesophageal, stomach, bladder, pancreatic, cervical, head and neck, ovarian cancer, melanoma, lymphoma, glioma or multidrug resistant cancer. The method involves use of other drug therapies such as monoclonal antibodies, REL-A-specific inhibitors or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           07-DEC-1992;
18-MAY-1994;
15-AUG-1994;
23-DEC-1996;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       chemotherapy; paclitaxel; docetaxel; cisplatin; methotrexate; cyclophosphamide; doxorubin; fluorouracil carboplatin; edatrexate; cyclophosphamide; doxorubin; fluorouracil carboplatin; edatrexate; gemcitabine; radiation therapy; inflammatory disease; asthma; diabetes rheumatoid arthritis; restenosis; Crohn's disease; obesity; ischaemia; gene therapy; autoimmune disease; lupus; multiple sclerosis; sepsis; transplant/graft rejection; reperfusion injury; glomerulonephritis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Novel enzymatic nucleic acid molecules which down regulates expression a sequence encoding a subunit of nuclear factor kappa B useful for treating cancer, inflammatory disorders and autoimmune diseases.
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G-cleaver; amberzyme; cancer; REL-A activity; breast cancer; human;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 3; Page 39; 72pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                         New zinc finger-containing proteins and nucleic acids, useful in manufacturing a medicament for treating or preventing a disorder associated with decreased or increased expression or activity of MDZ4, MDZ7 or MDZ12, e.g. cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Cytostatic; immunostimulant; gene therapy; vaccine; human; zinc finger protein; MDZ3; MDZ4; MDZ7; MDZ12; chromosome 7q22.1; chromosome 6p21.3-22.2; chromosome 16p11.2; chromosome 15q26.1; cancer; developmental disorder; ss.
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The present invention relates to novel human zinc finger-containing proteins and their coding sequences: MDZ3, MDZ4, MDZ7, MDZ12. MDZ3 is encoded at chromosome 7g22.1, MDZ4 is encoded at chromosome 6g21.3-22.2, MDZ7 is encoded at chromosome fight.2 and MDZ12 is encoded at chromosome 1sq26.1. The MDZ3, MDZ4, MDZ7, and MDZ12 sequences are useful in therapy, or in manufacturing a medicament for treating or preventing a disorder associated with decreased or increased expression or activity of MDZ3, MDZ4, MDZ7, or MDZ12, e.g. cancer or developmental disorders. The nucleic acids and proteins are also useful for diagnosing or monitoring a disease caused by altered expression of MDZ3, MDZ4, MDZ7, or MDZ12. The nucleic acids can also be used as probes to detect and characterize gross alterations in MDZ3, MDZ4, MDZ7, or MDZ12 genetic locus. The probes are

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                                                      The present invention relates to novel human zinc finger-containing compositions and their coding sequences: MDZ3, MDZ4, MDZ7, NDZ12. MDZ3 is encoded at chromosome 792.1, MDZ4 is encoded at chromosome 6p21.3-22.2, CC encoded at chromosome 16p11.2 and MDZ12 is encoded at chromosome (MDZ7) is encoded at chromosome 16p11.2 and MDZ12 is encoded at chromosome (MDZ7), and MDZ12, encoded at chromosome (MDZ7), and MDZ12, more activity of MDZ3, MDZ4, MDZ7, or MDZ12. The nucleic caids and proteins are also useful for disposing or monitoring a disease (CC acids can also be used as probes to detect and characterize gross alterations in MDZ3, MDZ4, MDZ7, or MDZ12 genetic locus. The probes are useful in constructing microarrays for measuring gene expression. The CC useful in constructing microarrays for measuring gene expression. The CC vaccines. The present sequence was used to illustrate the invention.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New zinc finger-containing proteins and nucleic acids, useful in manufacturing a medicament for treating or preventing a disorder associated with decreased or increased expression or activity of MDZ4, MDZ7 or MDZ12, e.g. cancer.
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protein; MDZ3; MDZ4; MDZ7; MDZ12; chromosome 7
6p21.3-22.2; chromosome 16p11.2; chromosome 15q
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               BP; 4 A;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Nguyen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0.5%;
88.2%;
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0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ..
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0 U;
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RESULT 189
ABZ61958/c
ID ABZ619
XX ABZ619
AC ABZ619
AC ABZ619
XX 10
DT 21-MAR
XX Human;
KW enzyman
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                                                                                                                                                                                                                       Sequence 17
                                                                                                                                                                                                                                                                                                     acid molecule or an enzymatic nucleic acid molecule, that modulates expression of a nucleic acid molecule encoding HER2, K-Ras, H-Ras, N-Ras human immunodeficiency virus (HIV) or a component of HIV. The nucleic acid molecule of the invention has cytostatic, anti-HIV, and anti-rheumatic activity. The nucleic acid molecules are useful for reducing HER2, K-Ras, H-Ras, and HIV activity in a cell. The nucleic acids are also useful for treating breast, ovarian, colorectal, lung, prostate, bladder, or pancreatic cancer, and HIV infection, and AIDS. The sequences shown in ABZ59889 - ABZ62216, ABZ64544 - ABZ65531, ABZ66520 - ABZ66524, ABZ66530 - ABZ66595 represent substrate/target sequences for the human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Novel short interfering RNA and enzymatic nucleic acid useful for treating cancer, modulates the expression of a nucleic acid encoding HER2, K-Ras, H-Ras, N-Ras, and human deficiency virus sequences.
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06-JUN-2001; 2001US-0296249P
10-SEP-2001; 2001US-0318471P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human; ribozyme; short interfering RNA; siRNA; HER2; K-Ras;
enzymatic nucleic acid; H-Ras; N-Ras; HIV; cytostatic; anti-HIV;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human H-Ras DNAzyme target #749.
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                                                        2019
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                                                                                                        l Similarity
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                                                        AGGCAGGGCCACCCCCT 2035
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                                                                                                                                                                                                                          BP; 1 A; 6 C; 6 G; 0 T; 4 U; 0 Other;
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                                                                                                              Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           relates to a novel short interfering RNA (siRNA) nucleic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PHARM INC
                                                                                                                                                                                                                                                                                   invention
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                                                                                                                                      Score 13.8;
Pred. No. 8
                                                                                                                 Mismatches
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                                                                                                                                                                    Length 17;
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ABZ66524,
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RESULT 190 ABZ64880/c ID ABZ64880 E XX

standard; RNA;

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RESULT 191
ACD62072/c
ID ACD620
XX ACD620
AC ACD620
XX 23-SEP
XX 23-SEP
XX W. Nuclei
KW RNA St
KW RNA St
KW amberzyma
KW HBV rev

23-SEP-2003 ACD62072

entry)

ACD62072 standard; RNA; 17

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HCV minus strand DNAzyme substrate sequence #383.

Nucleic acid molecule; Hepatitis C virus; HCV; Hepatitis B virus; HBV; RNA stability; RNA expression; RNA synthesis; antisense; enzymatic nucleic acid; hammerhead ribozyme; DNAzyme; inozyme; zinzyme amberzyme; G-cleaver ribozyme; decoy\_molecule; aptamer;

HBV reverse transcriptase; Enhancer I region; viral

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                                                                                                                                         acid molecule or an enzymatic nucleic acid molecule, that modulates expression of a nucleic acid molecule encoding HER2, K-Ras, H-Ras, human immunodeficiency virus (HIV) or a component of HIV. The nucleic acid molecule of the invention has cytostatic, anti-HIV, and anti-rheumatic activity. The nucleic acid molecules are useful for reducing HER2, K-Ras, H-Ras, and HIV activity in a cell. The nucleic acids are also useful for treating breast, ovarian, colorectal, lung, prostate, bladder, or pancreatic cancer, and HIV infection, and AIDS. The sequences shown in ABZ59889 - ABZ62216, ABZ64544 - ABZ65310 - ABZ66520 - ABZ66530 - ABZ66585 represent substrate/target sequences for the human ribozymes of the invention
                                                                                                                                                                                                                                                                                                                                                               Novel short interfering RNA and enzymatic nucleic acid useful for treating cancer, modulates the expression of a nucleic acid encod HER2, K-Ras, H-Ras, N-Ras, and human deficiency virus sequences.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               29-MAY-2001; 2001US-0294140P.
06-JUN-2001; 2001US-0296249P.
10-SEP-2001; 2001US-0318471P.
                                                                                                                Sequence 17
                                                                                                                                                                                                                                                                                                                                     Claim 4; Page 139; 185pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human; ribozyme; short interfering RN; enzymatic nucleic acid; H-Ras; N-Ras;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human
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                                                                                                                                                                                                                                                                                                           The invention relates to a novel short interfering RNA
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                             1268 GGAAGAGGCTGAGGGCA 1284
                                                                                                                                                                                                                                                                                                                                                                                                                            2003-140484/13.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        HER2 DNAzyme substrate
                                                         15;
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                                                                         Similarity
 GGAAGACGCTGAGGTCA
                                                                                                                BP; 2 A; 7 C; 3 G; 0 T; 5 U; 0 Other;
                                                         Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PHARM INC
                                                                    . BB. 2%;
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Pred. No. 88;
                                                           Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RNA; siRNA; HER2;
as; HIV; cytostatic
                                                                                    DB 1;
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                                                                                    Length
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                                                                                                                                                                                                                                                                                              NA (siRNA) nucleic that modulates
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              anti-HIV;
                                                                                       17
                                                                                                                                                                                                                                                                                                                                                                                   encoding
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                                                         Gaps
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The present invention relates to nucleic acid molecules which modulate the synthesis, expression and/or stability of Hepatitis C virus (HCV) or Hepatitis B virus (HBV) RNA. The nucleic acid molecules include antisense cand antisense include antisense incorporation nucleic acids such as hammerhead ribozymes, DNAzymes, antisense are nucleic acid decoy molecules and G-cleaver ribozymes. Also disclosed are nucleic acid decoy molecules and aptamers that bind to HBV reverse transcriptase primer sequences, as well as oligonucleotides that specifically bind the Enhancer I region of HBV DNA. The nucleic acids may be used to modulate the expression of HBV compounds and/or potential therapies directed against HBV, and compounds that modulate the expression and/or replication of HCV. The compounds of the invention are useful for the treatment of degenerative and disease states related to HBV and HCV infection, replication and gene expression such as cirrhosis, liver failure, and hepatocellular carcinoma. The present sequence represents a substrate for one of the HCV by and or minus strand DNAzyme sequences disclosed in the present
                                                                            Query Match
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Matches 15
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   26-MAR-2001; 2001US-00817879.
08-JUN-2001; 2001US-00877478.
08-JUN-2001; 2001US-0296876P.
24-OCT-2001; 2001US-0335059P.
05-DEC-2001; 2001US-0337055P.
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                                                                                                                                                           Sequence 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Claim
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                                       882 ACCTTTGAGAGCCTGCA 898
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                                                                                 L Similarity
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MCSWIGGEN J.
MORRISSEY D.
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BLATT L.
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Roberts E;
                                                                                                                                                             B₽;
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                                                                                                    Score 13.8;
Pred. No. 8
                                                                                                  Pred.
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                                                                                   Mismatches
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                                                                                                       88
                                                                                                                                                                  0 Other;
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                                                                                   'n
                                                                                                                    Length 17;
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                                                                                   Indels
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                                                                                   Gaps
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ACD65403 ID ACD XX

ACD65403 standard; RNA; 17

Query Match Best Local

Similarity

0.5**%;** 88.2**%**; 5 C; 7

88

Length 17;

Sequence 17

BP; 5

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G; 0 T; 0 U; Score 13.8; Pred. No. 8

0 Other; DB 1;

RESULT 192

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The present invention relates to nucleic acid molecules which modulate the synthesis, expression and/or stability of Hepatitis C virus (HCV) or CC Hepatitis B virus (HBV) RNA. The nucleic acid molecules include antisense and carymatic nucleic acids such as hammerhead ribozymes, DNAzymes, can derzymes, zinzymes, and g-cleaver ribozymes. Also disclosed care nucleic acid decoy molecules and aptamers that bind to HBV reverse transcriptase primer sequences, as well cas oligonucleotides that specifically bind the Enhancer I region of HBV CC pNA. The nucleic acids may be used to modulate the expression of HBV CC compounds and/or potential therapies directed against HBV, and compounds that modulate the expression and cor replication of HBV and compounds of disease states related to HBV and HCV infection, replication and gene expression such as cirrhosis, liver failure, and hepatocellular carcinoma. The present sequence represents a substrate for one of the HCV procession or minus strand DNAzyme sequences disclosed in the present
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          26-MAR-2001;
08-JUN-2001;
08-JUN-2001;
08-JUN-2001;
24-OCT-2001;
05-DEC-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                              Blatt L,
Draper K,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   amberzyme; G-cleaver ribozyme; decoy molecule; aptamer;
HBV reverse transcriptase; Enhancer I region; viral rep
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (RIBO-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 17-OCT-2002
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            degenerative; disease state; HBV infection; HCV infection; cirrhos liver failure; hepatocellular carcinoma; hepatotropic; cytostatic; virucide; antiinflammatory; substrate; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RNA stability; RNA expression; RNA synthesis; antisense; enzymatic nucleic acid; hammerhead ribozyme; DNAzyme; ir
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            HCV minus strand DNAzyme substrate sequence #2034.
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                                                                                                                                                                                                                                                                                                           Claim 1; Page 311; 387pp; English
                                                                                                                                                                                                                                                                                                                                                        Novel compound useful for hepatocellular carcinoma,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   26-MAR-2002; 2002WO-US009187
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MCSWIGGEN J.
MORRISSEY D.
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LEE P.
DRAPER K.
ROBERTS E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RIBOZYME PHARM
BLATT L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              acid molecule; Hepatitis C virus; HCV; Hepatitis B virus; HBV;
                                                                                                                                                                                                                                                                                                                                                                                                                               Macejak D,
Roberts E;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; 2001US-00817879.
; 2001US-00877478.
; 2001US-0296876P.
; 2001US-0335059P.
; 2001US-0337055P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 INC.
                                                                                                                                                                                                                                                                                                                                                        treating cirrhosis, liver failure, or condition associated with hepatitis
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                                                                                                                                                                                                                                                                                                                                                                                                                                                  Pavco
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08-JUN-2001;
08-JUN-2001;
08-JUN-2001;
24-OCT-2001;
05-DEC-2001;
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The present invention relates to nucleic acid molecules which modulate the synthesis, expression and/or stability of Hepatitis C virus (HCV) or Hepatitis B virus (HEV) RNA. The nucleic acid molecules include antisense and enzymatic nucleic acids such as hammerhead ribozymes, DNAzymes, inozymes, zinzymes, amberzymes, and G-cleaver ribozymes. Also disclosed are nucleic acid decoy molecules and aptamers that bind to HBV reverse transcriptase pand/or HBV reverse transcriptase primer sequences, as well as oligonucleotides that specifically bind the Enhancer I region of HBV DNA. The nucleic acids may be used to modulate the expression of HBV genes and HBV viral replication. Also disclosed is a method for screening compounds and/or potential therapies directed against HBV, and compounds that modulate the expression and/or replication of HCV. The compounds and
                                                                                                                                                                                                                                                                                                                                                                                                 Novel compound
hepatocellular
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2003-229207/22
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(BLAT/)
(MACE/)
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                                                                                                                                                                                                                                                                                                                        1; Page
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DRAPER K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             μ
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MORRISSEY D.
PAVCO P.
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BLATT L.
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Roberts E;
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2001US-0296876P.
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                                                                                                                                                                                                                                                                                                                     267;
                                                                                                                                                                                                                                                                                                                                                                                                 useful for carcinoma,
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RESULT 194
ACD57266;
XX Nucleic at KW Nucleic at KW RNA stability
XX Nucleic at KW RNA stability
XX ACCT-200
XX Hepatitis
XX Nocolo2814;
XX ACCT-200
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PA (MACE/) MACE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                methods of the invention are useful for the treatment of degenerative disease states related to HBV and HCV infection, replication and gene expression such as cirrhosis, liver failure, and hepatocellular carcinoma. The present sequence represents a substrate for one of the DNAzyme or minus strand DNAzyme sequences disclosed in the present
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence
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08-UUN-2001; 2001US-00877478.
08-UUN-2001; 2001US-0296876P.
24-CCT-2001; 2001US-0335055P.
05-DEC-2001; 2001US-0337055P.
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LEE P.
DRAPER K.
ROBERTS E.
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MORRISSEY
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Roberts E;
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                                                                                                                 treating cirrhosis, liver failure, or condition associated with hepat
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 13.8;
Pred. No. 88;
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                                                                                                                                                                                                                                                           Lee
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Novel compound hepatocellular

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present

invention 238;

relates to nucleic

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Matches 15
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADAMTS14; human; enzyme; neuroprotective; immunosuppressive; nootropic; antiinfertility; osteopathic; antiarthritic; antirheumatic; antiinflammatory; antiasthmatic; immunomodulator; antiallergic; cytostatic; antiulcer; vasotropic; antiarteriosclerotic; cardiant; anticonvulsant; antiparkinsonian; cerebroprotetive; antimigraine; anticopressant; antiparkinsonian; cerebroprotetive; antimigraine; antidepressant; analgesic; ophthalmological; vulnerary; antidiabetic; dermatological; transgenic; chromosome 10q21.3; gene; ds.
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Hepatitis B virus (HBV
and enzymatic nucleic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human ADAMTS14 gene exon 13 3' acceptor splice site.
                                                                                                                                                                                                                                                                                                                          08-NOV-2002;
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                                                                    WPI; 2003-482347/45
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                                                                                                                              Lapiere C,
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      and
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      purified
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Location/Qualifiers
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                                                                                                                                  Nusgens
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      disintegrin
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No. 8
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      and
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      metalloproteinase
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                                                                                                                                                       New
                                                                                                                                                                              WPI;
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                                                                                                           Disclosure;
                                                                                                                                useful e.g.
polypeptide
                                                                                                                                                                                                  Telerman A,
                                                                                                                                                                                                                                              17-SEP-2001; 2001FR-00011981
                                                                                                                                                                                                                                                                     17-SEP-2002; 2002WO-IB004219
                                                                                                                                                                                                                                                                                                                 WO2003040369-A2
                                                                                                                                                                                                                                                                                                                                        Homo
                                                                                                                                                                                                                                                                                                                                                             diagnosis.
                                                                                                                                                                                                                                                                                                                                                                         virus resistance;
                                                                                                                                                                                                                                                                                                                                                                                   cytostatic;
primer; prol
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04-DEC-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADB42204;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  processing.
transfected
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            is an aminoprocollage processing. ADAMTS14
                                                                                                                                                                                                                                                                                            15-MAY-2003
                                                                                                                                                                                                                         (MOLE-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  present sequence is that of the 3' acceptor splice site of exon 13 of ovel human A Disintegrin and Metalloproteinase with Thrombospondin e I repeats (ADAMTS) gene, denoted ADAMTS14, on chromosome 10g21.3. A A sequence for ADAMTS14 is given in ACC58643. ADAMTS14 (see ABR42736) and aninoprocollagen peptidase that functions in procollagen cessing. ADAMTS14 polynucleotides, polypeptides, vectors, cells nsfected by the vectors, and inhibitors directed against ADAMTS14 are d in the treatment and/or prevention of a range of diseases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1271
                                                                                                                                                       nucleic
                                                                                                                                                                                                                                                                                                                                        sapiens
                                                                                                                                                                              2003-441574/41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           17 ACAGGCTGAGGCCAGAG 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      15;
                                                                                                                                                                                                                                                                                                                                                                                                                    suppression/reversion associated nucleotide #2527
                                                                                                                                                                                                                                                                                                                                                                        tic; antiviral; neuroprotective; nootropic; neuroleptic; ss;
probe; tumour suppression; tumour reversion; apoptosis;
esistance; transgenic animals; Alzheimer's disease; schizoph
                                                                                                                                                                                                                         MOLECULAR ENGINES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AGAGGCTGAGGGCAGAG
                                                                                                                                acid encoding human for treatment of tun and antibodies.
                                                                                                          Page 327;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                BP; 1 A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Conservative
                                                                                                                                                                                                  Amson R,
                                                                                                                                                                                                                                                                                                                                                                                                                                          (revised)
(first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DNA; 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              88.2%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         67pp; English.
                                                                                                          771pp; French.
                                                                                                                                                                                                  Tuijnder
                                                                                                                                                                                                                         LAB
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Pred. No. 88;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         s polynucleotide, useful fo of e.g. neurodegenerative,
                                                                                                                                             tumors
                                                                                                                                             prostate membrane-specific antigen, mors and viral infection, also relat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             manufacturing
autoimmune, and
                                                                                                                                                                                                                                                                                                                                                                          schizophrenia;
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                                                                                                                                              related
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The invention relates to the isolation of 6327 nucleotide sequences, fragments of at least 15 consecutive nucleotides of these nucleotides, a sequence having at least 80% identity, after optimal alignment, with the nucleotides, a sequence that hybridizes under stringent conditions with the nucleotides, or the complement, or corresponding RNA, of the nucleotides are used as probes or primers for detecting, identifying, quantifying and/or amplifying nucleic acids, as in vitro sense and antisense sequences, of nucleotides involved in tumour suppression or reversion, apoptosis and or viral resistance, to produce

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RESULT 197
RAL61574
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XX 22-SEN
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Analysis of the expression of the nucleotides can be used for diagnosis and/or prognosis of these diseases. The nucleotides and polypeptides can also be used to screen for their specific interactive molecules, potentially useful for treating diseases associated with abnormal expression of the nucleotides.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human inhibitor-kappa B-R antisense oligonucleotide,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 17 BP; 1 A; 9 C; 1 G; 6 T;
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New antisense oligonucleotides targeted to nucleic acids encoding inhibitor-kappa B-R, useful for diagnosing or treating diseases associated with expression of inhibitor-kappa B-R, e.g., a height immune response or infection.
                                                                                                                                                                                                                                                                                                                                                                                                                                                WO2003042360-A2
                                                                                                                                                                                                                                                                                       13-NOV-2001; 2001US-00993731.
                                                                                                                                                                                                                                                                                                                                            05-NOV-2002; 2002WO-US035597
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Similarity 88.2%;
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molecule encoding human inhibitor-kappa B-R (also known as I-kappaBR, IXBR, I-kappa-B-related, ikappab r, nuclear factor of kappa light polypeptides gene enhancer in B-cells inhibitor-like 2 and NFKBII2) to inhibit its expression. Antisense compounds of the invention are useful for treating diseases or conditions associated with the expression of inhibitor-kappa B-R such as a heightened immune response involving increased cytokine expression, or a result of infection (e.g. bacterial, vital or parasitic). They are useful for diagnostics, therapeutics, prophylaxis e.g. to prevent or delay infection, inflammation or tumour formation, as research reagents and kits and in distinguishing between functions of various members of a biological pathway. They are also useful in antisense therapy. The present sequence is an oligonucleotide targetted to human inhibitor-kappa B-R DNA
                                                                                                                                                                                                                                                                                                                                                                                                         The invention relates to antisense compounds targetted to a nucleic
                                                                                                                                                                                                                                                                                                                                                                                                                                                             Example 15; Page 75; 108pp; English
20
BP; 2 A; 9 C; 4 G; 5 T; 0 U; 0 Other;
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Best Local S
Matches 15
              93
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TGGCCTCCTCCAGCACG
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20
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0; Mismatches
                                       .3e+02;
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Sequence

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ARESULT 15
AREJAGN 15
AREJAGN 15
AREJAGN 17

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SNP;

13-DEC-2001

07-JUN-2001; 2001WO-US018457.

07-JUN-2000; 2000US-0210047P.

(GENA-) GENAISSANCE PHARM INC.

Kliem SE, Messer C, Tanguay DA;

WPI; 2002-154563/20

Novel genetic variants of acid phosphatase 2, lysosomal pouseful in studying expression and function of the protein, screening drugs to treat diseases e.g. Hodgkin's disease. polypeptide in, and for gene

Page 14; 109pp; English.

The invention comprises the human lysosomal acid phosphatase 2 (ACP2) nucleic acid and protein sequences. Specifically, the invention relates to the discovery of 22 novel polymorphic sites within the APC2 gene. The invention also comprises methods for haplotyping and genotyping the ACP2 gene in an individual. The ACP2 gene (located on chromosome 11) encodes a

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RESULT 199
ABL36360
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Best Local
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                                                           Novel genetic variants of acid phosphatase 2, lysosomal polypeptide gene useful in studying expression and function of the protein, and for screening drugs to treat diseases e.g. Hodgkin's disease.
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14; 109pp;
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                                                                                                                                                                                                                                                                                                                   PHARM INC
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   English
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The invention comprises the human lysosomal acid phosphatase 2 (ACP2) nucleic acid and protein sequences. Specifically, the invention relates to the discovery of 22 novel polymorphic sites within the APC2 gene. The invention also comprises methods for haplotyping and genotyping the ACP?

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ARTS485/C
ID AATS48
XX 25-MAR
AC AATS48
XX 27-MAR
AC AATS48
XX 27-MAR
XX 27-MAR
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CC lysosomal-specific enzyme that catalyses the hydrolysis of orthophosphoric monoesters to alcohol and phosphate. The ACP2 gene and CC protein are pharmaceutically important in the treatment of Hodgkin's CP disease (HD) and acid phosphatase deficiency. The novel ACP2 gene and CP polymorphisms of the invention are useful in haplotyping the ACP2 gene. CC disease (HD) and acid phosphatase deficiency. The novel ACP2 gene. CC disease (HD) and acid phosphatase deficiency. The string the ACP2 gene. CC drugs) for treating an ACP2-related disease or condition (e.g. Hodgkin's CC disease and acid phosphatase deficiency). The ACP2 gene polymorphisms are CC disease and therapeutic treatments. The ACP2 protein and nucleic acids of the invention are useful in the production of a transgenic animal which can resent in the production of a transgenic animal which capsese ACP2 protein. The ACP2 motein and nucleic acids of the invention are useful in the production of a transgenic animal which capseful in the production of a lele-specific oligonucleotides designed to genotype each of the ACP2 polymorphisms. Nucleic acids ABL36320 CC represent claimed ACP2 playersent claimed ACP2 protein and nucleic acids ABL36321-ABL36365-ABL36408 represent claimed ACP2 allele-specific PCR primers. Nucleic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Matches
                                                                      23 FEB-1994
29 MAR-1994
04 APR-1994
07 APR-1994
15 APR-1994
15 APR-1994
18 MAY 1994
18 MAY 1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Enzymatic nucleic acid, ribozyme, trans cleavage; inhibition; gene expression; downregulation; interleukin-5; II-S, ICAM-1; intercellular adhesion molecule; rel A; tumour necrosis factor; TNF-alpha; respiratory syncytial virus; RSV, bcr-abl; oncogene; translocation; chronic myelogenous leukaemia; CML; cancer; philadelphia chromosome; inflammation; autoimmune disease; atherosclerosis; myocardial infarction; autoimmune disease; transplant rejection; rheumatoid arthritis; psoriasis; transplant rejection; xawasaki disease; septic shock; HIV; myocardial ischaemia; Kawasaki disease; septic shock; HIV;
  15-AUG-1994;
16-AUG-1994;
17-AUG-1994;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Mouse relA hammerhead ribozyme target sequence (nt.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       25-MAR-2003
07-APR-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAT54850
                                                                                                                                                                                                                                                                                                                                                         31-AUG-1995
                                                                                                                                                                                                                                                                                                           23-FEB-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1492
                                                                                                                                                                                                                                                                                                                                                                                                                                                                musculus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         immunodeficiency
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ACTATGAGGAGGAA 1505
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   standard; RNA; 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ACTATGAGGAGGAR 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     BP; 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (revised)
(first en
94US-00201109.
94US-00218934.
94US-0022795.
94US-00224483.
94US-00227958.
94US-00227958.
94US-00245738.
94US-00291280.
94US-0029132.
94US-00291433.
                                                                                                                                                                                                                                                                                                           95WO-IB000156.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ВР
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              <u>-</u>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  <u>و</u>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 13.6;
Pred. No. 70;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Η,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0 U;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              immune deficiency syndrome;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      position
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AAXS927
ID AAXS69
XX AAXS69
AC AAXS69
XX 16-OCT
DT 15-JUL
XX DNA-ta
KW DNA-ta
KW DNA-ta
KW DNA-ta
KW DNA-ta
KW DNA-ta
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                                                                                                                                                                                                                                                                           á
                                                                                                                                                                                                                                                                                                                                                                                                       The present sequence represents a preferred target sequence for an CC enzymatic nucleic acid (i.e. a ribozyme) which cleaves relA mRNA at the culeotide base position indicated in the DE line. The relA gene product is a subunit of the transcriptional regulator NF-kappaB and is implicated specifically in the induction of inflammatory responses. Regions of the company that do not form secondary folding structures and that contain potential hammerhead and hatipin ribozyme cleavage sites were identified by computer analysis. Ribozymes directed against these mRNA sequences were designed and synthesised with modifications that improve their nuclease resistance. The ribozymes are designed to cleave the target sequences and thereby inhibit relA expression, making them potentially useful for treating rheumatoid arthritis, restenosis and asthma as well as for increasing tolerance to transplanted trisques. The potential immunosuppressive properties of a ribozyme that cleaves relA mRNA means that uses are limited to local delivery, acute indications or ex vivo
                                                                                                                                                                                                                                                                                                           Matches
                                                                                                                                                                                                                                                                                                                         Query Match
Best Local :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   19-AUG-1994

02-SEP-1994

08-SEP-1994

23-SEP-1994

23-SEP-1994

23-SEP-1994

03-OCT-1994

07-OCT-1994

11-NOV-1994

10-NOV-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Grimm S,
Modak A,
Tracz D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Ribozymes having modified bases and methods for producing them - in inhibiting disease related genes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Stinchcomb
                          DNA-targeting conjugate; anticancer drug; viral DNA-cleaving viral DNA-binding agent; solid support; primer; ss.
                                                                        HIV-1 proviral
                                                                                                    16-OCT-2003
15-JUL-1999
                                                                                                                                              AAX56927;
                                                                                                                                                                            AAX56927
                                                                                                                                                                                                                                                                                                                                                                Sequence 15. BP; 2 A; 9 C; 2 G; 0 T; 2 U;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 1995-351090/45
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        28-NOV-1994;
                                                                                                                                                                                                                                                                                                                       Local
                                                                                                                                                                                                                                                                           1823 десседсеренения
                                                                                                                                                                                                                                                 15
                                                                                                                                                                                                                                                                                                           14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RIBOZYME PHARM INC.
                                                                                                                                                                                                                                                                                                                         Similarity
                                                                                                                                                                                                                                                 GGCCGGTGAGGTGGA 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Page 225; 407pp; English.
                                                                                                                                                                          standard; DNA; 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    b DT, Chowrira B, Diren:
Karpeisky A, Kisich K,
Pavco P, Beigleman L, !
Usman N, Wincott FE, W
                                                                                                                                                                                                                                                                                                                                                                                               (Updated on 25-MAR-2003 to correct PI field.)
                                                                                                                                                                                                                                                                                                           Conservative
                                                                                                    (revised)
(first en
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         94US-00311749
94US-00314397
94US-00316771
94US-00319492
94US-00334947
94US-00334847
94US-00337608
94US-00337516
94US-00357571
94US-0036733
                                                                        DNA fragment 10
                                                                                                    entry)
                                                                                                                                                                                                                                                                                                                       0.5%;
                                                                                                                                                                                                                                                                                                           0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Direnzo A, Draper KG,
ch K, Matulic-Adamic J,
n L, Sullivan SM, Sweec
FE, Woolf T;
                                                                                                                                                                                                                                                                                                                         Score 13.4;
Pred. No. 76;
                                                                                                                                                                                                                                                                                                         Mismatches
                                                                                                                                                                                                                                                                                                                                                                    0 Other;
                                                                                                                                                                                                                                                                                                                                       DB 1; Length 15
                                                                                                                                                                                                                                                                                                           1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sweedler D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 J. Dudycz LW;
J. Mcswiggen JA;
D. Thompson JD;
                                                                                                                                                                                                                                                                                                            0;
                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                            0
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Sequence 15 BP; 6
                                                                                                                                                                 -Z-CH2CH2-R, where: S' = a solid support; L = a bond or an (in)organic linker; Z = SO2 or S-S; R = OH, an H-phosphonate, alkanephosphonate, phosphotriester, phosphite triester, phosphite dister, phosphorothicate,
                                                                                                                                                                                                     Disclosure; Page 44; 68pp; English
                                                                                                                                                                                                                 Derivatised solid supports and reagents for oligo:nucleotide synthesis and new oligo:nucleotide phosphoramidate conjugates.
                                                                                                                                                                                                                                                     Watanabe KA,
                                                                                                                                                                                                                                                                                                    12-MAY-1995;
                                                                                                                                                                                                                                                                                                                                WO9531434-A1
                                                                                                                                                                                                                                                                  (SLOK ) SLOAN KETTERING INST CANCER RES. (ZWBI-) ZW BIOMEDICAL RES AG.
                                                                                                                                                                                                                                                     Ren W,
                                                                                                                                                                                       describes novel derivatised
                                                                                                                                                                                                                                                                                                     95WO-US006379
A; 0 C; 9
G; 0 T; 0 U; 0 Other;
                                                                                                                                                                               solid supports of formula S'-L
L = a bond or an (in)organic
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RESULT 202
AAT4544B
ID AAT4544
XX AAT454
XX AAT454
XX Bacter
XX Bacter
XX Bacter
XX Bacter
XX Argini
KW Argini
KW Bcreen
XX Giseas
                                                                                                                                       멍
                                                                                                                                                       S
                                                                                                                                                                        Query Match
Best Local Similarity
Matches 14; Conserv
                                                                                             AAT45448
                                                                                                                                                        1765
                                                                                              standard; RNA; 15
                                                                                                                                                       AAGATGAGGAGGAGG 1779
                                                                                                                                                                          Conservative
                                                                                                                                                                                 93.3%;
                                                                                                                                                                          0;
                                                                                                                                                                                  Score 13.4;
Pred. No. 76;
                                                                                                                                                                          Mismatches
                                                                                                                                                                                           멂
                                                                                                                                                                                           1;
                                                                                                                                                                          ۲.
                                                                                                                                                                                          Length
                                                                                                                                                                          Indels
                                                                                                                                                                          0
                                                                                                                                                                          Gaps
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0,

Arginine rich; RNA; site; binding; box B; N protein; identification; screening; isolation; therapy; treatment; pathogenic; microorganism; disease; diagnosis; detection; ss.

Bacteriophage lambda box B, RNA binding site.

05-AUG-1997

(first

entry)

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RESULT 203
AAZO70
XX
AZO70
AC AAZO70
AC AAZO70
XX
07-OCT
XX
DB Peptid
XX
Peptid
XX
Peptid
XX
Purifi
XX
Synthe
XX
Synthe
XX
FH Key
FT modifi
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                                                                                                                                                                                                                                                                                                                                                  Ś
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Bacteriophage lambda N protein residues 1-19, is an arginine rich RNA chinding peptide (RBP) specific to the bacteriophage lambda box B, RNA binding site, i.e. the present sequence. It was used in a novel screening method, which comprised the construction of a vector encoding a hybrid protein, in which the 19 residue amino-terminal RBP of the phage lambda N protein was replaced by an arginine rich putative RBP. A second vector encoding the phage lambda termination site Nut and a marker gene was constructed, into which oligonucleotides containing box A of the Nut site constructed, into which oligonucleotides containing box A of the Nut site and the appropriate RNA hairpin in place of box B were cloned. Plasmids were transformed into E. coli, and the expression of the reporter gene determined, showing that anti-termination was observed only with specific peptide/RNA interactions. The method can be used to isolate RBP, useful in therapy to block the life cycle of pathogenic microorganisms including viruses, e.g. HTV, and bacteria. The RBP can also be used to treat mammalian diseases resulting from impairment or loss of a natural RBP, as lead compounds for the development of the rapeutic compounds and in
                                                                                                                                                                                                                                                                                                                                                                                      Matches
                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local &
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Screening for RNA-binding polypeptide(s) - by expressing an antitermination protein fused to a test polypeptide and detecting exp of a reporter gene linked to a terminator.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Key
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   08-MAY-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          stem_loop
                                                                Synthetic
                                                                                               purification; analysis; ss
                                                                                                            Peptide nucleic acid; PNA; polymer; solubility; modulation; synthesis
                                                                                                                                             Peptide
                                                                                                                                                                             07-OCT-1999
                                                                                                                                                                                                          AAZ07075;
                                                                                                                                                                                                                                          AAZ07075 standard; DNA; 15 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Example 1; Fig 1A; 56pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 1997-012071/01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    17-MAY-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WO9636692-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Bacteriophage lambda.
               modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (REGC ) UNIV CALIFORNIA
                                                                                                                                                                                                                                                                                                                                                      1161 GCCCTGAAGAAGGCC 1175
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                                                                                                                                             nucleic
                                                                                                                                                                                                                                                                                                                                                                                                   Similarity
                                                                                                                                                                                                                                                                                                                       GGCCUGAAGAAGGCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                e.g. pathogenic microorganism detection
                                                                                                                                                                                                                                                                                                                                                                                                                                                 BP; 4 A; 4 C; 6'G; 0 T; 1 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                    Conservative
                                                                                                                                                                           (first entry)
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/*tag=
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                                                                                                                                             acid
                 Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SS,
                                                                                                                                                                                                                                                                                                                                                                                                  0.5%;
86.7%;
                                                                                                                                             oligomer #5.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Frankel
                                                                                                                                                                                                                                                                                                                       15
                                                                                                                                                                                                                                                                                                                                                                                                     Score 13.4;
Pred. No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Þ
                                                                                                                                                                                                                                                                                                                                                                                      Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                       76;
                                                                                                                                                                                                                                                                                                                                                                                                                    BG
                                                                                                                                                                                                                                                                                                                                                                                                                   1;
                                                                                                                                                                                                                                                                                                                                                                                    ۳.
                                                                                                                                                                                                                                                                                                                                                                                                                 Length 15;
                                                                                                                                                                                                                                                                                                                                                                                      Indels
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밁 S

WO200078341-A1

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RESULT 204
AAF46416/c
ID AAF464
XX AAF464
XX AAF464
XX AAF464
XX AAF88
KW CYCOSt.
KW AFFAC
KW IGF bi.
KW IGF bi.
KW GYOWth
KW 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Loc
Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The present invention describes a branched composition (I) which is useful for improving the solubility of synthetic polymers (II) or all minimizing or eliminating self-aggregation of (II), where (II) is a nucleic acid (or analogue), peptide, peptide nucleic acid (PNA), polymental control of a linked polymer. Modification of (II) by (I) facilitate synthesis, purification and analysis of many insoluble polymers, and particularly purine-rich PNA polymers labeled with hydrophobic labels. The products can be used in research, diagnostic therapeutic applications. The present sequence represents a PNA used the exemplification of the present invention
                                                                                                                                                                                                                 Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic; cytostatic; dermatological; cardiant; virucide; ophthalmological; keloid; skin disorder; Insulin-like Growth Factor 1 receptor; IGF-1; pityriasis; IGF binding protein; IGFBP2; IGFBP3; inflammation; psoriasis; pilaris; growth factor mediated cell proliferation; ichthyosis; serborrhoea; ruba; keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Branched compositions for improving the solubility of synthetic polymers or minimizing or eliminating polymer self-aggregation, particularly in peptide nucleic acids.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    modified_base
                                                                                                                                                 Keratosis; neoplasia; scleroderma; wart; hyperneovascular condition; hyperplasia; neovascular condition of the retina; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    IGFBP2 oligonucleotide #1255.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       30-MAR-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAF46416;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAF46416 standard; DNA; 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Example 12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gildea BD,
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04-JAN-1999;
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                                                                                                                                                                                                                                                   Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic; cytostatic; dermatclogical; cardiant; virucide; ophthalmological; keloid; skin disorder; Insulin-like Growth Factor 1 receptor; IGF-1; pityriasis; IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris; growth factor mediated cell proliferation; ichthyosis; serborrhoea; ruba; keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease; hyperneovascular condition; hyperplasia; kidney disease; neovascular condition of the retina; ss.
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(MURD-) MURDOCH CHILDRENS RES INST

28-DEC-2000

WO200078341-A1

Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic; cytostatic; dermatological, cardiant, virucide; ophthalmological; keloid; skin disorder; Insulin-like Growth Factor 1 receptor; IGF1; pityriasis; IGF binding protein; IGF8p-2; IGF8p3; inflammation; psoriasis; pilaris; growth factor mediated cell proliferation; ichthyosis; serborrhoea; ruba; keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease; hyperneovascular condition; hyperplasia; kidney disease; neovascular condition of the retina; ss.

IGFBP2 oligonucleotide #23.

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Best Local S
Matches 14
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ameliorating the effects of a disorder, e.g. psoriasis, by administering UV (ultra-violet) treatment (optional) and an antisense nucleic acid tha inhibits or reduces growth factor mediated cell proliferation and/or
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  WPI; 2001-041421/05
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                                                                                          MURDOCH CHILDRENS
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                                                 Edmondson
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The present invention relates to a method for ameliorating the effects of skin disorders. The method comprises contacting the skin with an antisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1 receptor, IGF binding protein [IGFBP]-2 or IGFBP], which is capable of inhibiting or reducing growth factor mediated cell proliferation, inflammation and/or other disorders. The present sequence is an oligonucleotide which can be used to design the antisense oligonucleotides of the present invention (see AR45151 and ARF45153-r45161). The method is useful for ameliorating the effects of psoriasis, inthyposis, pityriasis, ruba, pilaris, serborrhoea, keloids, keratosis, inthyposis, pityriasis, ruba, pilaris, serborrhoea, keloids, keratosis, inthyperprolasias, scleroderma, warts, benign growths, cancers of the skin, a hyperneovascular condition such as a neovascular condition of the retina, brain or skin, growth factor-mediated malignancies, other sclerotic disease, kidney disease, hyperproliferation of the inside of blood
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Example
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            inhibits or reduces growth factor mediated
                                                                                                                                                                                                                                                                                                                                                                                                                                                  6; Page
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Q.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 an antisense nucreacell proliferation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              psoriasis,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               psoriasis, by administering antisense nucleic acid that ll proliferation and/or
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밁 Q Matches 1530 CTGGAGGAGGCCAAG 1544 14; Similarity CTGGAGGAGCCCAAG 15 Conservative 93.3%; 0.5%; 0; Score 13.4; Mismatches 76; B 1; ۲. Length Indels 0, Gaps 0

Sequence 15

BP; 4 A;

4 C; 6 G; 1 T; 0 U; 0 Other;

or any other hyperplasia

RESULT 208
AAF45922
ID AAF459
XX AAF459
XX AAF459
XX IGEBE
XX ANTI
XW ANTI
XW SCYTO
XW SCYTO
XW SCYTO
XW SCYTO
XW IGE
XX Neer
XX Neer 30-MAR-2001 AAF45922; AAF45922 standard; DNA; 15 IGFBP2 oligonucleotide #761. (first entry)

Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic; cytostatic; dermatological; cardiant; virucide; ophthalmological; keloid; skin disorder; Insulin-like Growth Factor 1 receptor; IGF-1; pityriasis; IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris; growth factor mediated cell proliferation; ichthyosis; serborrhoea; ruba; keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease; hyperneovascular condition; hyperplasia; kidney disease; neovascular condition of the retina; ss.

sapiens

WO200078341-A1

21-JUN-2000; 2000WO-AU000693

99US-0140345P

MURDOCH CHILDRENS RES INST

5 Werther GA, Edmondson

Ameliorating the effects of a disorder, e.g. UV (ultra-violet) treatment (optional) and inhibits or reduces growth factor mediated e.g. psoriasis, by administering and an antisense nucleic acid that ted cell proliferation and/or

inflammation

present invention relates to

method for ameliorating the effects

e,

6; Page 39; 201pp; English

vessels or any

other hyperplasia

15

BP; 5

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3 C; 6 G; 1 T;

0

U; O DB Other;

1; Length 15;

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skin disorders. The method comprises contacting the skin with an antisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1 receptor, IGF binding protein [IGFBP]-2 or IGFBP3), which is capable of inhibiting or reducing growth factor mediated cell proliferation, inflammation and/or other disorders. The present sequence is an oligonucleotide which can be used to design the antisense oligonucleotides of the present invention (see APF45151 and APF45153-F45161). The method is useful for ameliorating the effects of pscriasis, ichthyosis, pityriasis, ruba, pilaris, serborrhoea, keloids, keratosis, neoplasias, scleroderma, warts, benign growths, cancers of the skin, a hyperneovascular condition such as a neovascular condition of the retina, brain or skin, growth factor-mediated malignancies, other sclerotic disease, kidney disease, hyperproliferation of the inside of blood effects for any other barease.

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RESULT 209
AAF45185
ID AAF451
XX AF451
XX AF611
XX 
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Best Local S
Matches 14
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                                                                                                        WPI; 2001-041421/05
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                                                                                                                                                                                                                                                                                                                                                                                       MURDOCH CHILDRENS RES
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93.3%;
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                                                                                                                             a disorder, e.g. psoriasis, by administering (optional) and an antisense nucleic acid that factor mediated cell proliferation and/or
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Pred. No. 76;
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Example

9

Page

34;

201pp; English

The invention relates to a novel short interfering RNA (siRNA) nucleic acid molecule or an enzymatic nucleic acid molecule, that modulates expression of a nucleic acid molecule encoding HER2, K-Rass, H-Rass, N-Rashman immunodeficiency virus (HIV) or a component of HIV. The nucleic acid molecule of the invention has cytostatic, anti-HIV, and anti-rheumatic activity. The nucleic acid molecules are useful for reducing HER2, K-Ras, H-Ras, and HIV activity in a cell. The nucleic acids are also useful for treating breast, ovarian, colorectal, lung, prostate,

H-Ras, N-Ras,

Claim 4; Page 153; 185pp; English.

inflammation.

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RESULT 210
ABZ66523/C
ID ABZ665
XX ABZ665
XX ABZ665
XX 21-WAR
XX 21-WAR
XX Human;
XX Homo s
XX Claim
XX Incarid m
CC The in
CC Acid m
CC HER2, A
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Best Local
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                                                                                                                                                                                     Novel short interfering RNA and enzymatic nucleic acid useful for treating cancer, modulates the expression of a nucleic acid encoding HER2, K-Ras, H-Ras, N-Ras, and human deficiency virus sequences.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             anti-rheumatic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human; ribozyme; short interfering RNA; siRNA; HER2; K-Ras; enzymatic nucleic acid; H-Ras; N-Ras; HIV; cytostatic; anti
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06-JUN-2001; 2001US-0296249P.
10-SEP-2001; 2001US-0318471P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Homo sapiens.
                                                                                                                                                                                                                                                             WPI; 2003-140484/13
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             cancer; AIDS;
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Pred. No. 76;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
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bladder, or pancreatic cancer, and HIV infection, and AIDS. The sequences shown in ABZ59889 - ABZ65216, ABZ64544 - ABZ65531, ABZ66520 - ABZ66524, ABZ66530 - ABZ66585 represent substrate/target sequences for the human ribozymes of the invention

Query Match Best Local S Matches 14

14; Conserv

0.5%; milarity 93.3%; Conservative (

0

Mismatches

۲,

Indels

0;

Gaps

0

Score 13.4; Pred. No. 76

DB 1;

Length 15;

Other;

Sequence

15 BP; 2 A; 7 C; 2 G; 0 T; 4 U; 0

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RESULT 211
ACD82534
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                                                                                                  δ
                                                      Query Match
Best Local
                                           Matches
                                                                                                                                    The invention describes adaptor molecules, where each end of the adaptor is compatible with a nucleic acid digested with a restriction enzyme or a nucleic acid comprising an end that is compatible with a nucleic acid digested with a restriction enzyme. The adaptor molecules, compositions, kits and arrays are useful for cloning nucleic acid molecules that does not require the design and synthesis of oligonacleotides or PCR primers. The adaptors, kits and arrays are also useful for ligating two ends of a single nucleic acid molecule, or ligating two ends of a single nucleic acid molecule, or ligating two or more nucleic acid molecules. The kits can also be used for performing internal deletion mutagenesis analysis. The adaptor molecules are ligated to a cloning vehicle, making the cloning procedure more rapid and efficient, and less error-prone. This sequence represents a nucleic acid cloning associated adaptor molecules.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Adaptor molecule; nucleic acid cloning; nucleic acid ligating; internal deletion mutagenesis analysis; cloning vehicle; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       13-JUN-2001; 2001US-00880313.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Nucleic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 19-SEP-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ACD82534;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ACD82534 standard;
                                                                                                                                                                                                                                                                                                                                                                           New adaptor molecules, useful for cloning nucleic acid molecules does not require the design and synthesis of oligonucleotides or
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Flemington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           13-JUN-2001; 2001US-00880313.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    06-MAR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US2003044791-A1
                                                                                                  Sequence 15
                                                                                                                                                                                                                                                                                                                                Claim 12; Fig 5; 100pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (FLEM/) FLEMINGTON E K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1267
1247 GGTCCGGCTGCAGCA 1261
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               15
                                           14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  acid cloning
                                                       Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TGGAAGACGCTGAGG 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TGGAAGAGGCTGAGG 1281
                                                                                                 BP; 3 A;
                                           Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DNA; 15
                                                       93.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     associated adaptor molecule
                                                                                                  σı
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                                                                                                  <u>ი</u>
                                           0
                                                          Score 13.4;
Pred. No. 7
                                                                                                  N
                                         Mismatches
                                                                                                  T; 0 U; 0 Other;
                                                          76;
                                                                        DB 1;
                                           1;
                                                                       Length 15;
                                            Indels
                                           0;
                                            Gaps
                                                                                                                                                                                                                                                                                              a
                                            0
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RESULT 212
ADA273
XX ADA273
XX ADA273
XX 20-NOV
XX 20-NOV
XX 10-NOV
XX LINKAG
PN US2003
XX US2003
XX US2003
XX INOK
PD 12-UNN
XX INOK
PD 12-UNN
XX INOK
PD 12-UNN
XX INOK
PD 12-UNN
XX INOK
PR 15-NOV
XX INOK
PR WPI; 2
XX New ol
PT Having
PT Having
PT R249;
XX The ir
CC repart
CC 11, NZ
CC 29, NZ
CC 129, NZ
CC 110-R2
CC 110-R2
CC diseas
CC d
RESULT 213
AAQ24927/c
ID AAQ249
XX
AC AAQ249
XX
DT 25-MAR
DT 19-NOV
XX
DE Homeo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         片
                                                                                                                                                                                                                                                                                                                                                                 밁
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The invention relates to an oligonucleotide primer capable of specifically hybridising to a DNA having the sequence of the flanking regions of a microsatellite selected from M2-4-9, M2-2-12, M2-3-11, M2-2-20, M2-2-21, M2-2-22, M2-2-23, M2-2-24, M2-4-25, M2-4-26, M2-2-29, M2-2-32, M2-4-32, M2-4-33, M2-4-37, M2-3-22, M2-2-36, M2-5-11, M2-2-46, and M2-2-48. The primer is useful for determining the number of repeat units of the microsatellite cited above. The primer is useful in HLA-related research, such as genetic mapping of HLA class II-associated diseases, transplantation matching, population genetics, and identification of recombination hot spots as well as linkage disequilibrium studies. The present sequence represents the human microsatellite repeat M2_3_3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ds; HLA-related research; HLA class II-associated disease; transplantation matching; recombination hot spot identific linkage disequilibrium study; human; microsatellite.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New oligonucleotide primer capable of specifically hybridizing to a DN having the sequence of the flanking regions of a microsaccellite (e.g. M249), useful for HLA-related research, e.g. transplantation matching.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human microsatellite repeat M2_3_3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       20-NOV-2003
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADA27359 standard;
                                                         25-MAR-2003
19-NOV-1992
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 15 BP; 5 A; 0 C; 10 G; 0 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2003-616782/58
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (INOK/) INOKO H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 15-NOV-2000; 2000US-00713616
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             06-DEC-2002; 2002US-00314405
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          12-JUN-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US2003108940-A1
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                                                                                                                                                     AAQ24927;
                                                                                                                                                                                                           AAQ24927 standard; DNA; 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Example 2; Page 5; 20pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                          1767 GATGAGGAGGAGGAG 1781
                                                                                                                                                                                                                                                                                                                                                                 ш
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            o.5%;
Similarity 93.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GATCCGGCTGCAGCA 15
                                                                                                                                                                                                                                                                                                                                                                 GAGGAGGAGGAG 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Tamiya G,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (first
                                                            (revised)
(first en
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       entry
                                                               entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Matsuzaka
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          15
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 13.4; Pred. No. 76;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 1; Length 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        identification;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  a DNA
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Homeo box consensus sequence primer (250)

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RESULT 214
AAQ25457
ID AAQ25
XX
AC AAQ25
CT AAQ2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   밁
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Simi
Matches 14;
                                                                                 18-JAN-1991;
08-APR-1991;
17-APR-1991;
17-APR-1991;
17-APR-1991;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Nucleic acid variation and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     06-NOV-1990;
29-JUL-1991;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 16 BP; 1 A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The selected primer is used in amplification reaction (SPAR).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Claim 16; Page 39; 65pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 1992-183683/22.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Cardineau GA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  05-NOV-1991;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           14-MAY-1992
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Single primer amplification; SPAR; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      length data.
                                                                                                                                                                                             23-NOV-1990;
                                                                                                                                                                                                                                      25-NOV-1991;
                                                                                                                                                                                                                                                                               11-JUN-1992.
                                                                                                                                                                                                                                                                                                                       WO9209705-A1
                                                                                                                                                                                                                                                                                                                                                                Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                      Target; Human Immunodeficiency Virus; AIDS; triplex; hepatitis; herpes;
malignancy; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Purine rich
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                25-MAR-2003
07-DEC-1992
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAQ25457 standard; DNA; 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (LUBR ) LUBRIZOL CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1877 GCAGCTGGAGGAGGA 1891
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GCAGCTGGAGAAGGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        cid sequence single primer amplification - useful for genomic
analysis and polymorphism detection for restriction fragment
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        HIV target duplex sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Filner P;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (revised)
(first entry)
                                                               90US-00617907.
91US-00643382.
91US-0068544.
91US-00686544.
91US-00686547.
91US-00686547.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        90US-00610973.
91US-00737919.
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                                                                                                                                                                                                                                        91WO-US008811.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    93.3%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 13.4;
Pred. No. 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (Updated
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    the single primer 25-MAR-2003 to correct
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ۲,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
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(GILE-) GILEAD

SCI INC

The Erb-B2 gene has a purine rich segment symmetry. This sequence, derived from the

with substantial mirror Erb-B2 gene is located

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RESULT 215
AAQ70682/c
ID AAQ70682;
XX
AAQ70682;
XX
C AAQ70682;
XX
DT 25-MAR-2003 (revised)
DT 15-MAR-1995 (first entry)
XX
Exb-B2; upstream region; regu
XX
Exb-B2; upstream region; regu
XX
XX
Exb-B2; upstream region; regu
XX
Carcinoma; breast cancer; ery
XX
XX
O4-AUG-1994.
XX
PM W09417086-A1.
XX
PM W09417086-A1.
XX
PM W09417089-A1.
XX
PM W09417
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ద
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Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The sequence depicts a HIV viral duplex sequence which contains a purine-
rich region concentrated on one chain of the duplex. The sequence may be
prepd. by standard DNA synthesis. The HIV duplex sequence is used as a
target for novel oligomers which are capable of forming a triplex at
three such oligomers HIV141 - HIV143 are capable of forming a triplex with
this sequence. The oligomers are used in the diagnosis and therapy of HIV
infection. Similar oligomers may be used to target viral DNA duplexes
specific for hepatitis, herpes and malignancy. The triple helices form
under mild conditions thus assays may be carried out without subjecting
the test specimen to harsh conditions. The oligomer is able to inhibit
gene expression, as verified by in vitro systems see also AAQ25452-25501
and AAQ30226-448. (Updated on 25-MAR-2003 to correct PN field.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          New oligomers contg. modified bases -doublet in a DNA duplex, for treating herpes malignancy and inflammation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Erb-B2; upstream region; regulatory element; gene expression; triplex; antisense; inhibition; screening; identification; cancer; breast cancer; carcinoma; breast cancer; erythroleukaemia; sarcoma; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Triplex forming oligonucleotide directed against Erb-B2 gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 16 BP; 7 A; 0 C; 9 G; 0 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 11; Page 63; 77pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 1992-217083/26.
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                                                                                                                                                          Composition for decreasing gene transcription - comprises oligo:nucleotide or deriv. complementary to target gene r
                                                                                             Claim 12; Page 43; 71pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1765 AAGATGAGGAGGAGG 1779
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0.5%;
11 Similarity 93.3%;
14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2 AAGAGGAGGAGGAGG 16
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                                                                                                                                                                                                                                                                                                                                                                                                                                                       9305-00008897
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Matteucci
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         <u>,,</u>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 13.4;
Pred. No. 90;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Milligan
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potential site of H-DNA formation. The overexpression of Erb-B2 is particularly associated with breast cancer. This triplex forming oligonuclectide directed against Erb-B2 and its derivatives may be used in the treatment of breast cancer, erythroleukaemia and sarcoma and more generally any disease involving the expression of Erb-B2. (Updated on 25-MAR-2003 to correct PN field.)

nucleotides upstream of the transcriptional start site and is the potential site of H-DNA formation. The overexpression of Erb-B2 is

Sequence 16 BP; 1 A; 10 C; 0 G; 5 T; 0 U;

DB 1; 0 Other;

Length 16;

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RESULT 216
AAA95296
ID AAA952
XX AAA952
XX JAMP52
XX JESOLAT
PH CRAM-2
PH CRAM-2
YX JESOLAT
YZ J
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Best Local S
Matches 14
                                                                                                        Matches
                                                                                                                                                                                                                                                                                         The present sequence is a PCR primer used during the identification of the murine confluency regulated adhesion molecule 2 (CRAM-2, also known as JAM-3) coding sequence. CRAM-2 is one of the vascular adhesion proteins of the immunoglobulin superfamily (Ig Sf). The CRAM-2 protein and coding sequence can be used in the treatment of cancer, inflammation, to modulate cell-cell interactions and angiogenesis, and in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Isolated human Confluency Regulated Adhesion Molecule 1 or 2 (CRAM-1 CRAM-2) polypeptide, useful for treatment of tumors, inflammation reactions and modulating vascular permeability.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Murine CRAM-2 coding sequence identification PCR
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Example; Page 15; 59pp; English.
                                                                                                                                                                                                                   Sequence 16
                                                                                                                                                                                                                                                                       modulation of wound healing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (RMFD-)
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                                                                                                        1 Similarity
14; Conserv
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                                                    CACCCTCCGCACTCG 2257
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                                                                                                                                                                                                                      BP; 2 A; 9 C; 1 G; 4 T; 0 U;
                                                                                                        Conservative
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                                                                                                                                  93.3%;
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Pred. No. 90;
                                                                                                                                     Score 13.4;
Pred. No. 9
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                                                                                                                                                               DB 1;
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                                                                                                                                                                  Length 16;
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RESULT 217
AAA953
AXX AAA953
AXX AAA953
AXX AAA953
AXX AAA953
AXX IMMULIO
AXX 
                                                                                                                                                             The present sequence is a PCR primer used to determine the amount of murine confluency regulated adhesion molecule 1 (CRAM-1, also known JAM-2) mRNA following assays differing in confluency. CRAM-1 is one the vascular adhesion proteins of the immunoglobulin superfamily (Ig The CRAM-1 protein and coding sequence can be used in the treatment cancer, inflammation, to modulate cell-cell interactions and angiogenesis, and in the modulation of wound healing
                                                                                                 Sequence 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Isolated human Confluency Regulated Adhesion Molecule 1 or 2 (CRAM-1 CRAM-2) polypeptide, useful for treatment of tumors, inflammation reactions and modulating vascular permeability.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Immunoglobulin superfamily; Ig Sf; vascular adhesion molecule; inflammation; cancer; wound; angiogenesis; mouse; JAM-2; confluency regulated adhesion molecule 1; CRAM-1; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Murine CRAM-1 mRNA transcript level
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                                                                                                                                                                                                                                                                                                                                                                                                                                                       Example; Page 16; 59pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       11-MAR-1999;
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Similarity
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                                                                                                 BP; 2 A; 9 C; 1 G; 4 T; 0 U; 0 Other;
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93.3%;
                                 Score 13.4;
       Pred. No.
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       90;
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                                     DB 1;
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                                 Length
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RESULT 218
ABF3609
ID ABF360
XX ABF360
XX ABF360
XX Oligon
XX Oligon
XX SNP; 8
XW SNP; 8
XW Centrad
XX Centrad
XX Homo 8
XX Homo 8
XX Homo 8
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Best Local S
Matches 14
                                                  SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic
                                                                                                        Oligonucleotide SEQ ID NO 136087
                                                                                                                                                             ABF36090;
                                                                                                                                    21-FEB-2002
                                                                                                                                                                                       ABF36090 standard; DNA; 13
                                                                                                                                                                                                                                                                                   2243
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                                                                                                                                                                                                                                                           CACCCTCCTCACTCG
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                                                                                                                                                                                                                                                                                                              Conservative
                                                                                                                                     (first
                                                                                                                                     entry)
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                                                                                                                                                                                                                                                                                                              Mismatches
                                                                                                           for
                                                                                                           detecting
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WO200177384-A2

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RESULT 219
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Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  This invention describes novel oligonucleotide primers or peptide nucle acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP and cytosine methylation status in chemically pretreated genomic DNA. Toligonucleotides are used for diagnosis and/or prognosis of cancer and rrange of diseases including immune system, gastrointestinal, respirator central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC000 ABC99389, ABF00010-ABF39989, ABF00010-ABF39989, ABF00010-ABF39989, are the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      designed to detect single-nucleotide polymorphisms and methylation status.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Olek A,
           WPI; 2001-657177/75
                                                                                         07-APR-2000; 2000DE-01019173
                                                                                                                  06-APR-2001; 2001WO-IB000713.
                                                                                                                                                                       WO200177384-A2
                                                                                                                                                                                                Homo sapiens
                                                                                                                                                                                                                        SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic.
                                                                                                                                                                                                                                                                             Oligonucleotide SEQ ID NO 136088 for
                                                                                                                                                                                                                                                                                                       21-FEB-2002
                                                                                                                                                                                                                                                                                                                                                          ABF36091 standard; DNA; 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ftp.wipo.int/pub/published_pct_sequences
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Claim 1; SEQ ID NO 136087; 29pp + Sequence Listing; German.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2001-657177/75
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            07-APR-2000; 2000DE-01019173
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       06-APR-2001; 2001WO-IB000713.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 18-OCT-2001.
                                                                                                                                             18-OCT-2001.
                                                                                                                                                                                                                                                                                                                                                                                                                                                     1770 GAGGAGGAGGAGG 1782
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                13,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Similarity
                                                               EPIGENOMICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Piepenbrock C,
                                                                                                                                                                                                                                                                                                                                                                                                                          GAGGAGGAGGAGG 13
                                    Piepenbrock C,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 BP; 4 A; 0 C; 9 G; 0 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
                                                                                                                                                                                                                                                                                                       (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0.5%;
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                                       Berlin
                                                                                                                                                                                                                                                                                                                                                            뫔
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 13;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mismatches
                                                                                                                                                                                                                                                                           detecting SNP TSC0033984
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DB 1;
63;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                <u>.</u>.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 13;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          typing,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            or peptide nucleic olymorphisms (SNP)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    respiratory,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
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                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local S
Matches 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligomers for diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC9989, ABF00010-ABF9989, ABH00010-ABH99989, and ABI00010-ABH9973 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Set of oligonucleotides, useful for diagnosis and cell designed to detect single-nucleotide polymorphisms and methylation status.
                                                                                                                                                              06-SEP-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 1;
                                  Unidentified
                                                                                                                                                                                                ABN83902
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence
                                                                                                                                                                                                                                  ABN83902 standard; DNA; 13
                                                                                                                          detection
                                                                                                                                                                                                                                                                                                                                                             1770 GAGGAGGAGGAGG 1782
                                                                    single nucleotide polymorphism;
expression analysis; probe; ss.
                                                                                                                                                                                                                                                                                                                          u
                                                                                                                                                                                                                                                                                                                                                                                                 13;
                                                                                                                                                                                                                                                                                                                                                                                                                Similarity
                                                                                                                                                                                                                                                                                                                          GAGGAGGAGGAGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     13 BP; 0 A; 9 C; 0 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQ ID NO 136088; 29pp + Sequence Listing; German.
                                                                                                                                                                                                                                                                                                                                                                                               0.5%; Silarity 100.0%; Conservative 0;
                                                                                                                                                              (first
                                                                                                                          probe following target binding and extension.
Location/Qualifiers
                                                                                                                                                              entry)
                                                                                                                                                                                                                                    ВP
                                                                                                                                                                                                                                                                                                                                                                                                                Score 13;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                 Mismatches
                                                                                       diagnostic; screening;
                                                                                                                                                                                                                                                                                                                                                                                                                63;
BB
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RESULT 220
ABN83902/c
ID ABN839
XX ABN839
XX ABN839
XX SNP de
XX SNP; g
KW Gene e
XX Uniden
XX Epi misc_f
FT misc_f
FT misc_f
FT MSC_L
FT 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    misc_feature
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     misc_binding
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    EP1207209-A2
                                                                                                                                                                                                                                                                                                                                                   09-NOV-2000; 2000US-00710983
                                                                                                                                                                                                                                                                                                                                                                                                                             08-OCT-2001;
                                                                                                                                                                                                                                                                     AGILENT TECHNOLOGIES INC
                                                                                                                                                                                                DA,
                                                                                                                                                                                                                                                                                                                                                                                                                                 2001EP-00123992.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /bound_moiety= "SNP containing target nucleic acid"
/note= "binds to bases 13-1 of the SNP containing to
nucleic acid (see ARN83901) following binding and
extension of the probe"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /*tag=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /*tag=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               'note= "original length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     р,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               of probe prior to binding
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           target
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Detecting a target using an substrate and observing the

addressable array of probes linked to binding pattern is useful to determine

single

WPI; 2002-437468/47.

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RESULT 221
ABN839
XX BAP; s
XX SAP; s
XX Gene 6
XX Unider
XX Unider
XX Unider
XX Unider
XX Unider
XX Unider
XX BAP; s
YT misc_1
FT misc_1
XX BAPT
XX Detect
PT nuclec
PT nuclec
PT nuclec
PT nuclec
PT nuclec
PT nuclec
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Best Local S
Matches 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The invention relates to evaluating the presence of a target in an analyte, using an addressable array of probes linked to a substrate. The method comprises preparing a solution consisting of a buffer, target nucleic acid, DNA polymerase, deoxynuclectides and polynuclectide primers, then exposing the solution to the array so that the target hybridises, extending the bound probes, and observing a binding pattern on the array. The method is used to detect SNP's (single nuclectide polymorphisms) in diagnostic, screening, and gene expression analysis. The current sequence represents an SNP detection probe following target being and extending the polymorphisms.
                                                                                                                                                                                                                                                                   22-MAY-2002
                                                                                                                                                                                                                                                                                                                                                   misc_feature
                                                          nucleotide
                                                                                                                                                  Amorese
                                                                                                                                                                                                         09-NOV-2000; 2000US-00710983
                                                                                                                                                                                                                                     08-OCT-2001; 2001EP-00123992
                                                                                                                                                                                                                                                                                                EP1207209-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                 misc_binding
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Unidentified
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Nucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 06-SEP-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABN83901;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABN83901 standard; DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Disclosure; Fig
                                                                                                                                                                             (AGIL-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          nuclectide polymorphisms
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      single nucleotide polymorphism; diagnostic;
expression analysis; ss.
                                                                                                                  2002-437468/47.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  13 CTCAGCTGTGCTC 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 Similarity
13; Conserv
                                                                                                                                                DA,
                                                                                                                                                                             AGILENT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                and extension
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            crcaccrcrccrc 1635
                                                        a target using an addressable array of probes linked to a and observing the binding pattern is useful to determine single polymorphisms in diagnostic, screening, and gene expression
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  BP; 4 A;
                                                                                                                                               Sampson
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (first
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               3C;
                                                                                                                                                                             TECHNOLOGIES
                                                                                                                                                                                                                                                                                                                                                                     following
                                                                                                                                                                                                                                                                                                                                                                                   /*tag= a
/bound_moiety= "SNP detection probe"
/note= "binds to bases 13-1 of the S
                                                                                                                                                                                                                                                                                                                                                                                                                                            Location/Qualifiers
                                                                                                                                                                                                                                                                                                                          /note=
                                                                                                                                                                                                                                                                                                                                          /*tag=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              17pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                representing an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     W
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     с;
5
                                                                                                                                                                                                                                                                                                                          "location of SNP site"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          13
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                                                                                                                                                                                                                                                                                                                                                                     probe extension
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    G; 1 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          diagnostic, screening, and gene expression
                                                                                                                                                                             INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 13;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SNP detection target.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DB 1; Length 13; 63;
                                                                                                                                                                                                                                                                                                                                                                      (see ABN83902)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      screening
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Indels
                                                                                                                                                                                                                                                                                                                                                                                      SNP detection
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                   probe
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Disclosure; Fig 3B;

17pp; English

Detecting a target using an addressable array of probes linked to a substrate and observing the binding pattern is useful to determine a nucleotide polymorphisms in diagnostic, screening, and gene expressions.

expression

single

WPI;

2002-437468/47.

DA,

Sampson

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08-OCT-2001;

2001EP-00123992

22-MAY-2002 EP1207209-A2

09-NOV-2000; 2000US-00710983

(AGIL-)

AGILENT TECHNOLOGIES INC

The invention relates to evaluating analyte, using an addressable array

the presence of a ta of probes linked to

a target

The

Disclosure;

Fig

3E;

17pp;

English.

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The invention relates to evaluating the presence of a target in an analyte, using an addressable array of probes linked to a substrate. The method comprises preparing a solution consisting of a buffer, target nucleic acid, DNA polymerase, deoxynucleotides and polymucleotide primers, then exposing the solution to the array so that the target hybridises, extending the bound probes, and observing a binding pattern on the array. The method is used to detect SNP's (single nucleotide polymorphisms) in diagnostic, screening, and gene expression analysis. The current sequence represents a nucleotide fragment representing an SN detection target. The SNP located at position 7 of the fragment may be detected by a probe in the method of the invention
                                                                                                                                                                                                                                                                                                                      misc_feature
                                                                                                                                                                                                                                                                                                                                                                                                                                   Unidentified
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABN83903;
                                                                                                                                                                                                                                                                                                                                                                                                misc_binding
                                                                                                                                                                                                                                                                                                                                                                                                                                                            gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Polynucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       06-SEP-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABN83903 standard; DNA; 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 13 BP; 1 A; 5 C; 3 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1623 CTCAGCTGTGCTC 1635
                                                                                                                                                                                                                                                                                                                                                                                                                                                          single nucleotide polymorphism; diagnostic; screening; expression analysis; primer; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CTCAGCTGTGCTC 13
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (first
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              primer following extension of probe sequence
                                                                                                                                                                                                                                                                                                                                   /bound_moiety= "SNP detection probe"
/note= "binds to bases 13-1 of the SN
(see ABN83902) following binding and
primer"
                                                                                                                                                                                                                                                                             /*tag= a
/note= "original length of
probe and extension"
                                                                                                                                                                                                                                                                                                                                                                                                           Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0.5%;
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Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DB
63;
                                                                                                                                                                                                                                                                                                 primer following binding
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 13
                                                                                                                                                                                                                                                                                                                                                 SNP detection probe nd extension of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0
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AAV938 ID AAV938 AC AAV938
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Best Local &
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          09-JUN-1997;
03-JUL-1997;
22-AUG-1997;
02-OCT-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human; c-raf; A-raf; B-raf; hammerhead ribozyme; hairpin ribozyme; target; substrate; catalyst; modulation; expression; Raf gene; delivery; screening; identification; synthesis; deprotection; purification; cancer; inflammation; psoriasis; non-hepatic ascites; infection; genetic drift; restenosis; rheumatoid arthritis; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human B-raf
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       18-FEB-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAV93815
                                                                                                                                                 Identifying new catalytic nucleic acid especially ribozymes that cleave Raf restenosis, and also new ribozymes and used as antiviral agents and synthons.
                                                                                                                                                                                                                                                                                  WPI; 1999-009494/01.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         02-OCT-1997;
05-NOV-1997;
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                                                                                                                                                                                                                                                                                                                                  Thompson
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Beigelman L, M
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Beigelman L, Mcswiggen JA, Karpeisky A,
, Workman CT, Beaudry A, Sweedler D;
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97US-0061321P
97US-0061324P
97US-0064866P
97US-0068212P
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                                                                                                                                                                              that modulates selected processes RNA for treating cancer, modified nucleoside triphosphates
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Claim

179; Page

175; 259pp;

English

A method has been developed for the identification of a nucleic acid capable of modulating a process in a biological system. The method comprises: (a) introducing into the system a random library of nucle:

nucleic

AAXO9121-X10268 are allele-specific oligonucleotide primers used in the isolation of various biallelic polymorphic markers found in the human genome (represented in AAX10269-X12937). These primers can be used in a method for determining polymorphic forms in an individual for use in e.g forensics, paternity testing or for phenotypic typing for diseases such as agammaglobulinemia, diabetes insipidus, Lesch-Nyhan syndrome, muscula dystrophy, Wiskott-Aldrich syndrome, Fabry's disease, familial

muscular e.g. 310pp; English.

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ARXONATOR ANAXONATOR A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           밁
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local &
Matches 11
                                                                                                                                                                                                                                                                                           New isolated nucleic acid segments from the human genome determining polymorphic forms for use in e.g. forensics, testing or phenotypic typing for disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Homo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      polymorphism; biallelic; human; forensic; paternity testing; detection; phenotypic typing; characteristic; infection; here autoimnune disease; cancer; inflammation; drug; therapy; meditreatment; marker; primer; ss.
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Pred. No. 77;
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Sequence 15

BP; 1 A; 9 C; 2 G; 3 T; 0 U; 0 Other;

hypercholesterolemia, polycystic kidney disease, hereditary spherocytosis, von Willebrand's disease, tuberous sclerosis, Ehlers-Danlos spherocytosis, von Willebrand's disease, tuberous sclerosis, Ehlers-Danlos syndrome, osteogenesis imperfecta, acute intermittent porphyria, autoimmune diseases, inflammation, cancer, diseases of the nervous system, infection by pathogenic microorganisms, and characteristics such as longevity, appearance (e.g. baldness, obesity), strength, speed, endurance, fertility, and susceptibility or receptivity to particular drugs or therapeutic treatments. The isolated polymorphic nucleic acid segments can also be used to produce medicaments for the treatment or prophylaxis of such diseases

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RESULT 225
ABK10952
ID ABK1099
XX ABK109
XX ABK109
XX Human
XX Primex
XX Synthe
YX Synthe
YX KE9908
XX I4-API
XX I4-API
XX HUMAN
PF 14-API
XX HUWAN
PF 14-API
XX WPI;
PR WPI;
XX WPI;
PT HIV-1
XX WPI;
PT THE P
CC Seque
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Best Local S
Matches 13
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Best Local Similarity
Matches 13; Conser
                                                                                                                              The present invention relates to human immunodeficiency virus type 1 (HIV -1) O-type specific antigen and the polynucleotide sequence encoding it. The present sequence represents a PCR primer used in the methods of the
                                                                                           Sequence 15
                                                                                                                                                                             Disclosure; Page 3;
                                                                                                                                                                                                     HIV-1 O-type
                                                                                                                                                                                                                                                    Kim SY,
                                                                                                                                                                                                                                                                                                                           14-APR-1998;
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                                                                                                                                                                                                                                                                                                                                                                                                                                   Human immunodeficiency virus type 1; HIV-1 O-type specific antigen; PCR;
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                                                                                                                                                                                                                                                                           (GREC )
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                     1514 GCGCAGCGGCAAC 1526
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N
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                                                         Similarity
                                                                                                                   invention
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                                                                                          BP; 4 A; 5 C; 6 G; 0 T; 0 U; 0 Other;
                                             Conservative
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                                                                                                                                                                                                     specific antigen and
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                                             Score 13; DB ;; Pred. No. 92; 0; Mismatches
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Pred. No.
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92;
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Human; cholinergic receptor, nicotinic, beta polypeptide 2; neuronal; CHRNB2; memory disorder; Alzheimer's disease; epilepsy; learning; chromosome 1q21; schizophrenia; attention deficit/hyperactivity disordation; autosomal dominant nocturnal frontal lobe epilepsy; ADNFLE; ss;
                                                                                                                                                                                                                                               Claim 15; Page 15; 82pp; English.
                                                                                                                                                                                                                                                                           Genotyping cholinergic receptor, individual involves determining
                                                                                                                                                                                                                                                                                                      WPI; 2001-626374/72.
                                                                                                                                                                                                                                                                                                                        Choi
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                                                                                                                                                                                                                                                                  of nucleotide pair
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13-JUL-2000; 2000US-0217952P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                           Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human CHRNB2 allele specific oligonucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    16-JAN-2002
                                                                                                                                                                                                                                                                                                                                        (GENA-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                             specific oligonucleotide;
                                                                                                                                                                                                                                                                                                                                         GENAISSANCE PHARM INC
                                                                                                                                                                                                                                                                                                                       Kliem SE,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
                                                                                                                                                                                                                                                                rgic receptor, nicotinic, beta-polypeptide s determining for two copies of the gene, t at polymorphic sites selected from PS1-24.
                                                                                                                                                                                                                                                                                                                       Koshy B,
                                                                                                                                                                                                                                                                                                                       Lee HH,
                                                                                                                                                                                                                                                                                                                                                                                                                                                             PCR primer.
                                                                                                                                                                                                                                                                                                                        Sanchis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (ASO)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PCR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 primer #42
                                                                                                                                                                                                                                                                           e 2 gene of an
the identity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                disorder;
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The invention relates to genotyping/haplotyping the cholinergic receptor, CC nicotinic, beta-polypeptide 2 (neuronal) (CHRNB2) gene of an individual, CC comprising determining for the two copies of the CHRNB2 gene present in CC the individual, the identity of the nucleotide pair at one or more CC polymorphic sites selected from PSI-24. Also include are oligonucleotides CC variants of CHRNB2. The method is useful for detecting novel CHRNB2 CC polymorphisms and for determining if an individual has a haplotype or CC polymorphisms and for determining if an individual has a haplotype or CC candidate agent for treating a specific condition or disease predicted to be associated with CHRNB2 activity (e.g. a memory disorder, Alzheimer's CC disease, epilepsy, a learning disorder, schizophrenia, attention CC defactly/hyperactivity disorder, Alba) and autosomal dominant nocturnal from the epilepsy (ADNFLE)), and in the design of clinical trials of candidate drugs for treating a specific condition or disease predicted to be associated with CHRNB2 activity. The method is useful to screen for CC compounds targeting CHRNB2 to treat a specific conditions or disease sociated with CHRNB2 activity. The method is useful to screen for CC cassociated with CHRNB2 activity. The present sequence is an CC CHRNB2 gene is located on chromosome lq21. The present sequence is an CC created to CHRNB2 activity and are useful for therapeutic purposes. The CC CHRNB2 gene is located on chromosome lq21. The present sequence is an CC method of the invention

Sequence 15 B₽; 4 A; 2 C; œ <u>.</u> 0 T; 0 U; 1 Other;

S Matches Query Match Best Local 1778 Similarity GGAGGCGGAGGC 1792 Conservative 0.5%; 1, Score 13; DE Pred. No. 92; Mismatches DB 1; <u>.</u> Length 15; Indels 0 Gaps

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RESULT 226

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ARESULT 227
ARF48303/c
ID AAF483
XX AAF483
XX AAF483
XX AAF483
XX AAF482
XX Homo s
XX WO2000
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XX Y 21-JUN
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XX 21-JUN
XX AAF482
XX WARA
EX 21-JUN
XX TABLE
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                                                                   Query Match
Best Local S
Matches 13
                                                                                                                                                                                                                                          oligonucleotides of the present invention (see AAF45151 and AAF45153-F45161). The method is useful for ameliorating the effects of psoriasis, ichthyosis, pityriasis, ruba, pilaris, serborrhoea, keloids, keratosis, neoplasias, scleroderma, warts, benign growths, cancers of the skin, a hyperneovascular condition such as a neovascular condition of the retina, brain or skin, growth factor-mediated malignancies, other sclerotic disease, kidney disease, hyperproliferation of the inside of blood vessels or any other hyperplasia
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The present invention relates to a method for ameliorating the effects of skin disorders. The method comprises contacting the skin with an antisense oligonuclectide, (for Insulin-like Growth Factor [IGF]-1 receptor, IGF binding protein [IGFBP]-2 or IGFBP3), which is capable of inhibiting or reducing growth factor mediated cell proliferation, inflammation and/or other disorders. The present sequence is an oligonucleotide which can be used to design the antisense
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ameliorating the effects of a disorder, e.g. psoriasis, by administering UV (ultra-violet) treatment (optional) and an antisense nucleic acid that inhibits or reduces growth factor mediated cell proliferation and/or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Wraight
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         2120
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                                                                      l Similarity
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      CCACGGGCCGCA 2132
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                                                                                                                                                                                      BP;
                                                                   Conservative
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Mismatches C
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RESULT 228 AAF53010/C ID AAF530

AAF53010

standard; DNA; 15

ВP

30-MAR-2001

(first entry)

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CCACGGGGCCGCA

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RESULT 229
AAF53012/c
ID AAF53012
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AC AAF53012;
XX
DT 30-MAR-20
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                                                                                                                                                                                                                                 Query Match 0.5%; Sometime 0.5%; Sometime 100.0%; Sometime 0; Matches 13; Conservative 0;
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                                                                                                                                                                                                                                                                                                                                          disease,
vessels (
                                                                                                                                                                                                                                                                                                                                                                       oligonuclectides of the present invention (see AAF45151 and AAF45153-F45161). The method is useful for ameliorating the effects of psoriasis, ichthyosis, pityriasis, ruba, pilaris, serborrhoea, keloids, keratosis, neoplasias, scleroderma, warts, benign growths, cancers of the skin, a hyperneovascular condition such as a neovascular condition of the retina, brain or skin, growth factor-mediated malignancies, other sclerotic brains.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  skin disorders. The method comprises contacting the skin with an antisense oligonuclectide, (for Insulin-like Growth Factor [IGF]-1 receptor, IGF binding protein [IGFBP]-2 or IGFBP), which is capable inhibiting or reducing growth factor mediated cell proliferation, inflammation and/or other disorders. The present sequence is an oligonuclectide which can be used to design the antisense
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Ameliorating the effects of a disorder, e.g
UV (ultra-violet) treatment (optional) and
inhihits or reduces growth factor mediated
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                                  AAF53012;
                                                                                                                                                                                                                                                                                                        Sequence 15
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             present invention
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                                                                                                                                                                                               GGAGGACGAGGAG 1898
                                                                        standard;
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                                                                                                                                                                                                                                                                                                                                        disease, hyperproliferation of other hyperplasia
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                                                                        DNA;
                                                                                                                                                                                                                                                                                                        9 C; 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               relates to a
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                                                                                                                                                                                                                                   Score 13; DB; Pred. No. 92; 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          method for ameliorating the effects es contacting the skin with an
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                                                                                                                                                                                                                                                                                                        u; o
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 e.g. psoriasis, by administering and an antisense nucleic acid that ted cell proliferation and/or
                                                                                                                                                                                                                                                  DB
92;
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O.F

[GF-I oligonucleotide #3972.

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RESULT 230
AAF48300/c
ID AAF483
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AC AAF483
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DT 30-MAR
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DE IGFBP3
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Best Local S
Matches 13
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                                                                30-MAR-2001
                                                                                               AAF48300
                                                                                                                               AAF48300
                                                                                                                                                                                                                                                                                                                                         Sequence
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                                oligonucleotide
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                                                                                                                                                                                                                                                                                         Similarity
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                                                                                                                               standard; DNA;
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                                                                                                                                                                                                                                                                                                                                       BP;
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                                                                                                                                                                                                                                                                                                                                       9 C; 1 G;
                                                                                                                                                                                                                                                                                                                                                                        hyperplasia
                                  #1720.
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                                                                                                                                                                                                                                                                                         Score 13;
Pred. No.
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cytostatic; dermatological; cardiant; virucide; ophthalmological; keloid; skin disorder; Insulin-like Growth Factor 1 receptor; IGF-1; pityriasis; IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris; growth factor mediated cell proliferation; ichthyosis; serborrhoea; ruba; keratosis; neopiasia; scleroderma; wart; skin cancer; sclerotic disease; hyperneovascular condition; hyperplasia; kidney disease; neovascular condition of the retina; ss.
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Homo

WO200078341-A1

28-DEC-2000

21-JUN-1999; 99US-0140345P

21-JUN-2000; 2000WO-AU000693

(MURD-) MURDOCH CHILDRENS RES INST.

GA,

Edmondson

WPI; 2001-041421/05

Ameliorating the effects of a disorder, e.g. psoriasis, by administering UV (ultra-violet) treatment (optional) and an antisense nucleic acid that inhibits or reduces growth factor mediated cell proliferation and/or

Example 7; Page 55; 201pp; English.

The present invention relates to a method for ameliorating the effects of cskin disorders. The method comprises contacting the skin with an cantisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1 CC receptor, IGF binding protein [IGFB]-2 or IGFB23), which is capable of creceptor, IGF binding protein [IGFBP]-2 or IGFB23), which is capable of contacting or reducing growth factor mediated cell proliferation, cc inflammation and/or other disorders. The present sequence is an cc oligonucleotide which can be used to design the antisense colligonucleotide which can be used to design the AAP45151 and AAF4153-cc oligonucleotide which can be used to design the effects of psoriasis, cc inthyosis, pityriasis, ruba, pilaris, serborrhoea, keloids, keratosis, complasias, scleroderma, warts, benign growths, cancers of the skin, a cc hyperneovascular condition such as a necvascular condition of the retina, cc disease, kidney disease, hyperproliferation of the inside of blood cc vessels or any other hyperplasia

Sequence 15 BP; 0 A; 6 C; 6 a G 3. ∓; o ۷, 0 Other;

Query Match Best Local S Matches 13 l Similarity 13; Conser 0.5%; llarity 100.0%; Conservative 0, Score 13; Pred. No. Pred. No. 92; Mismatches ۳, °, Length 15; Indels

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RESULT 231

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2121

CACGGGGCCGCAG

2133

AAF52824 standard; ВP

AAF52824;

30-MAR-2001 entry)

IGF-I oligonucleotide #3784.

AAF52824
IID AAF
XX
AC AAF
AC AAF
AC AAF
AXX
DT 30XXX
DE IGF
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KW Ant
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KW Skti Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic; cytostatic; dermatological; cardiant; virucide; ophthalmological; keloid, skin disorder; Insulin-like Growth Factor 1 receptor; IGF-1; pityrlasis; IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris; growth factor mediated cell proliferation; ichthyosis; serborrhoea; ruba. keloid;

antiproliferative; antiinflammatory; antipsoriatic;

disease;

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Best Local S
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         Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic; cytostatic; dermatological; cardiant; virucide; ophthalmological; keloid; skin disorder; Insulin-like Growth Factor I receptor; IGF-1; pityriasis; IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris; growth factor mediated cell proliferation; ichthyosis; serborrheea; ruba; keratosis; meoplasia; scleroderma; wart; skin cancer; sclerotic disease; hyperneovascular condition; hyperplasia; kidney disease; hyperaevascular condition of the retina; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The present invention relates to a method for ameliorating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Wraight CJ, Werther GA,
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                                                                                                                                                 IGF-I oligonucleotide #3780.
                                                                                                                                                                                                              AAF52820
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Pred. No.
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92;
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skin disorders. The method comprises contacting the skin with an antisense oligonuclectide, (for Insulin-like Growth Factor [ICF]-1 receptor, IGF binding protein [IGFBP]-2 or IGFBP3), which is capable of inhibiting or reducing growth factor mediated cell proliferation, inflammation and/or other disorders. The present sequence is an oligonuclectide which can be used to design the antisense oligonuclectides of the present invention (see AP45151 and AP45153 oligonuclectides of the present invention (see AP45151 and AP45153 ichthyosis, pityriasis, ruba, pilaris, serborrhoea, keloids, keratosis, ichthyosis, pityriasis, ruba, pilaris, serborrhoea, keloids, keratosis, ichthyosis, pityriasis, ruba, pilaris, serborrhoea, keloids, keratosis, hyperneovascular condition such as a neovascular condition of the retinal brain or skin, growth factor-mediated malignancies, other sclerotic disease, kidney disease, hyperproliferation of the inside of blood
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                                     or any other hyperplasia
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Query Match Best Local S Matches 13 1232 GCATGTGCTGGCA 1244 Similarity Conservative 0.5%; 0 Score 13; Pred. No. ore 13; DB 1; Length 15; red. No. 92; Mismatches 0; Indels 0 Gaps

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Sequence 15

BP; 2 A; 4 C; 6 G; 3 T;

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Ç 0 Other;

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RESULT 233
AAF53011/c
ID AAF530
XX AAF530
XX AAF530
XX AAF530
XX AAF530
XX IGF-I
XX IGF-I
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                                                                                                                                                                                                                                                                                                 Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic; cytostatic; dermatological; cardiant; virucide; ophthalmological; keloid; skin disorder; Insulin like Growth Factor I receptor; IGF-1; pityriasis; IGF binding protein; IGFB-2; IGFB-3; inflammation; psoriasis; pilaris; growth factor mediated cell proliferation; ichthyosis; serborrhoea; ruba; keratosis; meoplasia; scleroderma; wart; skin cancer; sclerotic disease; hyperneovascular condition; hyperplasia; kidney disease; neovascular condition of the retina; ss.
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Best Local S
Matches 13
                                                                                                                                               Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic; cytostatic; dermatological; cardiant; virucide; ophthalmological; keloid; skin disorder; Insulin-like Growth Factor I receptor; IGF-1, pityriasis; IGF binding protein; IGFBP-2; IGFBP3; Inflammation; psoriasis; pilaris; growth factor mediated cell proliferation; ichthyosis; serborrhoea; ruba; keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease; hyperneovascular condition; hyperplasia; kidney disease; hyperneovascular condition of the retina; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The present invention relates to a method for ameliorating the effects of skin disorders. The method comprises contacting the skin with an antisense oligonucleotide, (for insulin-like Growth Factor [IGF]-1 receptor, IGF binding protein [IGFBP]-2 or IGFBP3), which is capable of inhibiting or reducing growth factor mediated cell proliferation, inflammation and/or other disorders. The present sequence is an oligonucleotide which can be used to design the antisense oligonucleotides of the present invention (see ARP45151 and ARP45153-G150). The method is useful for ameliorating the effects of psoriasis, ichthyosis, pityriasis, ruba, pilaris, serborrhoea, keloids, keratosis, neoplasias, scleroderma, warts, benign growths, cancers of the skin, a hyperneovascular condition such as a neovascular condition of the retina, brain or skin, growth factor mediated malignancies, other sclerotic disease, kinney disease, hyperproliferation of the inside of blood
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                                                                                                                    sapiens.
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21-JUN-2000; 2000WO-AU000693

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11-JAN-2001; 20-APR-2001; 24-APR-2001;

; 2001EP-00870005. ; 2001EP-00870085. ; 2001US-0286102P.

2002WO-EP000153

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ABZ34164/c
ID ABZ341
XX
AC ABZ341
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AC ABZ341
XX
AC HIV-1
AC HIV-1
XX
Human
KW Human
KW Probe;
XX Human
CS Human
CS Synthe
CX Synthe
FP 09-JAN
XX
PF 09-JAN
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PF 20-APR
PR 211-JAN
PR 21-APR
PR 24-APR
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human immunodeficiency virus; detection; mutation; anti-HIV probe; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         HIV-1 reverse transcriptase mutation detection probe
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Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    HIV; reverse transcriptase; RT drug resistance; polymorphism;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DB 1; Length 15; 92;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   IJ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RT;
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RESULT 236
AAS99348
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The present invention describes a method for detecting mutations CC associated with anti-HIV drug resistance in a patient by detecting at C least one of the mutations K103N/R, V106A/I/L, V18IC/I, M184V/I, Y18EL, CC G199A/S/R, T215Y/F/D/S/A and/or Q151M/L in the reverse transcriptase (RT) CC of HIV strains in a biological sample using a specific set of probes CC optimised to function together in a reverse-hybridisation assay. The method and the nucleic acid sequences used in the method are useful for CC determining viral mutations and/or polymorphisms in the HIV RT gene associated with resistance. The probes are useful for CC detection, preferably in vitro detection of the mutations K103N/R, V106A/I/L, V138IC, Q15IM/L, M184VI, Y18BL, G199A/S/R and/or V106A/I/L, V138IC, I, Q15IM/L, M184VI, Y18BL, G199A/S/R and/or CC 1215Y/FD/S/A in the RT of HIV strains in a biological sample, where the mutation is associated with anti-HIV drug resistance. The method provides a rapid, reliable and precise assay or determination and monitoring of CC antiviral drug resistance or mutations associated with drug resistance of viruses containing RT genes. ABZ33759 to ABZ34642 represent HIV RT sequences and probes which are used in the exemplification of the present of the present.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local S
Matches 13
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New genetic variants of human aldehyde dehydrogenase 5 family, member Al ALDH5Al gene for treating metabolic diseases and for expressing ALDH5Al protein useful in identifying drugs to treat 4-hydroxybutyric aciduria.
                                                                                                                                                                                                                                             29-NOV-2001
                                                                                                                                                                                                                                                                             WO200190119-A2
                                                                                                                                                                                                                                                                                                                                               Aldehyde dehydrogenase 5 family member Al; ALDH5Al; succinate-semialdehyde dehydrogenase; gene therapy; primer; antisense technology; allele specific oligonucleotide; AsO; 4-hydroxybutyric aciduria; metabolic disease; transgenic an
                                                                                                                                                                                                                                                                                                                                                                                                                                  Aldehyde dehydrogenase 5 family, member
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                                                                                                                                                                         19-MAY-2000;
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mes 13; Conserv
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                                                                                                   Koshy B,
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                                                                                                                                                                         2000US-0205849P.
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                                                                                                                                        PHARM INC.
                                                                                                     Tanguay DA
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100.0%; Pred. No. 92;
ive 0; Mismatches
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CC nuclectide sequence which is a polymorphic variant of a reference cc sequence for the aldehyde dehydrogenase 5 family, member Al (succinate-semialdehyde dehydrogenase) (ALDHSAI) gene or its fragment. The cc polypeptide is useful for screening for drugs targeting it by contacting the ALDHSAI polymorphic variant with a candidate agent and assaying for binding activity. The polypeptide and haplotypes are useful for cc identifying an association between a trait such as a clinical response to a drug targeting ALDHSAI and a haplotype ALDHSAI isogenes in vivo, are also useful for studying expression of the ALDHSAI protein and for testing the efficacy of therapeutic agents and compounds for 4-for testing the efficacy of therapeutic agents and compounds for 4-for testing the efficacy of therapeutic agents and compounds for 4-for the agent are useful for diagnostic and prognostic formats and therapeutic methods, for immunoprecipitating the polypeptide from solution, for detecting ALDHSAI protein isoforms in biological samples, immunohistochemical and immunofluorescence techniques. The polynucleotide is useful for gene therapy and antisense gene therapy. This sequence is colymorphisms in the ALDHSAI gene described in the method of the colymorphisms in the ALDHSAI gene described in the method of the colymorphisms in the ALDHSAI gene described in the method of the
RESULT 237
AAS95930/c
ID AAS959
XX AAS959
XX AAS959
XX Calmod
KW Calmod
KW haplot
KW calciu
XX W02001
XX W02001
XX I2-APR
XX 12-APR
XX 12-APR
XX 12-APR
XX 12-APR
XX Mew ca
PT Bentiv
XX Wey Calmod
XX New ca
PT treat
XX New Ca
PT treat
XX New Ca
PT treat
XX New Ca

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Best Local S
Matches 13
                                                                                                                                                                                                                                                                                                                                                                                                                     Calmodulin 1; CALM1; human; single nucleotide polymorphism; haplotyping; SCYA3; Alzheimer's disease; drug screening; calcium-dependent signal transduction; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                WO200179218-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human CALM1 gene allele-specific oligonucleotide #39.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    26-FEB-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AA895930 standard; DNA; 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 15
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1785 GAGGAGGCGGCAGCC 1799
                                                                                                                                                                                                                                                                                                                                                                                   sapiens.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Conservative
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86.7%;
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Pred. No.
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92;
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New calmodulin-1 (CALM-1) isogene polymorphic variants, useful expressing CALM1 protein for use in screening for candidate drutreat diseases related to CALM1 activity such as Alzheimer's di

eful in e drugs to 's disease.

2002-049190/06.

SC,

Chew A,

Choi JY,

Koshy B,

Stephens

12-APR-2000; 2000US-0196340P 09-APR-2001; 2001WO-US011509.

GENAISSANCE

PHARM INC

Claim

15;

Page

13;

82pp;

English

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CC The invention relates to an isolated polynucleotide comprising a sequence CC selected from a polymorphic variant of calmodulin 1 (CALMI). The CP polymorphic variant comprises an CALMI isogene defined by a haplotype CC selected from haplotypes 1-21 given in the specification. The polymorphisms are useful for studying the biological function of CALMI as CC well as in identifying drugs targeting this protein for the treatment of a disorder related to its abnormal expression or function. The CC polymorphic variants may also be used in screening for compounds CC polymorphic variants may also be used in screening for compounds CC associated with CALMI activity. Bstablishing CALMI haplotype or haplotype cassociated with CALMI activity. Bstablishing CALMI haplotype or haplotype CC pair of an individual is useful for improving the efficiency and CC reliability of several steps in the discovery and development of drugs for treating disease associated with SCYA3 activity, e.g. Alzheimer's CC disease and diseases anvolving defects in calcium-dependent signal CC transduction. Haplotyping the CALMI gene in an individual is also useful CC in the design of clinical trials of candidate drugs for treating a specific condition or disease predicted to be associated with CALMI activity. AAS956018 represent human CALMI allele- specific oligonucleotides and PCR primers of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local S
Matches 13
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34165/c
                                                                                            detecting at l gene by using hybridization
                                                                                                                                                                                                                                                                                                    11-JAN-2001;
20-APR-2001;
24-APR-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human immunodeficiency virus; HIV; reverse transcriptase; RT; enzyme; detection; mutation; anti-HIV drug resistance; polymorphism; resistan
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           HIV-1 reverse transcriptase mutation detection probe SEQ ID NO:407
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                                                                                                                                                                                                                                                                                                                                                                                                                       18-JUL-2002.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human immunodeficiency virus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     probe;
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                                                                                                                                                                                                                              Smet
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                                                                                                                                                                                            2002-590680/63
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                                                                                                            mutations associated with anti-HIV drug resistance comprises at least one of the mutations in the HIV reverse transcriptase sing probes optimized to function together in a reverse-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        BP; 1 A; 6 C; 5 G;
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2001EP-00870085.
2001US-0286102P.
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CC Glass one of the mutations K103N/R, V106A/I/L, V181C/I, M184V/I, Y188L, CC GlassA/S/R, T215Y/R/D/S/A and/or Q151M/L in the reverse transcriptase (RT) CC of HIV strains in a biological sample using a specific set of probes CC optimised to function together in a reverse-hybridisation assay. The method and the nucleic acid sequences used in the method are useful for CC determining viral mutations and/or polymorphisms in the HIV RT gene CC associated with resistance. The probes are useful for the genetic CC detection, preferably in vitro detection of the mutations K103N/R, CC V16A/I/L, X181C/I, Q151M/L, M184V/I, Y181L, G190A/S/R and/or C154/F/D/S/A in the RT of HIV strains in a biological sample, where the CC mutation is associated with anti-HIV drug resistance. The method provides CC a rapid, reliable and precise assay or determination and monitoring of CC antiviral drug resistance or mutations associated with drug resistance of CC viruses containing RT genes. ABZ33759 to ABZ34642 represent HIV RT containing the present of the present containing the present associated with a precise and probes which are used in the exemplification of the present containing RT genes. ABZ33759 to ABZ34642 represent HIV RT
                                                                        invention
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Sequence 16 BP; 4 A; 1 C; 7
  G; 4 T; 0 U; 0 Other;
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Query Match
Best Local S
Matches 13
l Similarity
13; Conserv
0.5%;
ilarity 100.0%;
Conservative
o
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         Score 13;
Pred. No.
Mismatches
         1.1e+02;
                 DB 1;
 0
                Length 16;
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Gaps
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1426 CCATCATCCACGT 1438
16
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AAD44136;
                                               AAD44136 standard; DNA; 15
(first
                                               뫔
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13-DEC-2002

entry)

primer #4 designed to bind human MMP CATR region

Sequential consensus region-directed amplification; gene expression; disease diagnosis; gene analysis; human; matrix metalloproteinase; MVP; catalytic domain; CATR; PCR; primer; 88.

**Bapiens** 

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ARBSULT 239
ARD44136
ID ARD441
XX ARD441
AC AR
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/note=
SEQ ID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "This
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 base is given as T in the in the sequence listing"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          sequence shown
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US6277571-B1

21-AUG-2001

30-SEP-1998; 98US-00163485

03-OCT-1997; 03-OCT-1997; 97US-00943162. 97US-0108152P.

(-IVYU) AIND VIRGINIA COMMONWEALTH INTELLECTUAL

Fillmore Ħ, Broaddus W, Gillies ູດ

WPI; 2002-412824/44.

Sequential consensus region-directed amplification for sorting mixture DNAs into 2 or more subsets or distinguishing gene expression patterns 2 samples, useful for disease diagnosis and gene analysis. in

Example; Col 12; 19pp; English

The present invention describes a method associated with anti-HIV drug resistance

for detecting mutations in a patient by detecti

detecting

at

Claim

2

Page

26;

117pp;

English

The invention relates to a method of sequential consensus region-directed amplification for sorting a mixture of DNAs into 2 or more subsets or

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 240
AAT90642/c
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Best Local S
Matches 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Recognition sequence; HCV; ribozyme; 5' untranslated region; nucleocapsid coding region; hairpin ribozyme; RNA cleavage; treatment; HCV infection; HCV contamination; ss.
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        AAT90621-650 represent recognition sequences found in the positive (-) strand of the Hepatitis C virus (HCV) RNA. The sequences are recognised by novel ribozymes which inhibit replication, infectivity or gene expression of HCV. The present sequence is located within the NS5 gene. Hairpin ribozymes of the present invention were designed based on
                                                                                                                                                                                                                                                                                                                                                                                             misc_feature
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                                                                                                                   directed against hepatitis C virus f viral infection, and detection of
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CC solation of various biallele-specific oligonucleotide primers used in the collection of various biallelic polymorphic markers found in the human CC genome (represented in AAX10269-X12937). These primers can be used in a cc method for determining polymorphic forms in an individual for use in e.g. CC forensics, paternity testing or for phenotypic typing for diseases such CC as agammaglobulinemia, disbetes insipidus, Lesch-Nyhan syndrome, muscular CC dystrophy, Wiskott-Aldrich syndrome, Fabry's disease, familial CC hypercholesterolemia, polycystic kidney disease, hereditary CC spherocytosis, von Willebrand's disease, tuberous sclerosis, hereditary CC spherocytosis, von Willebrand's disease, tuberous sclerosis, hereditary CC syndrome, osteogenesis imperfects, acute intermittent porphyria, autoimmune disease, inflammation, cancer, diseases of the nervous cautoimmune diseases, inflammation, cancer, diseases of the nervous as longevity, appearance (e.g. baldness, obesity), strength, speed, as longevity, appearance (e.g. baldness, obesity), strength, speed, candurance, fertility, and susceptibility or receptivity to particular drugs or therapeutic treatments. The isolated polymorphic nucleic acid segments can also be used to produce medicaments for the treatment or companylaxis of such diseases
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human biallelic
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characteristic; infection; hereditary;
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                                                                                                                                                                                                       The present invention describes ribozymes (I) capable of inhibiting creplication, infectivity or gene expression of a hepatitis C virus (HCV), CC directed to target sequences AAA1343 to AAA13444, AAA13454 and AAA13455. CC (I) have virucide, hepatctropic and antiinflammatory activities. (I), or vectors comprising nucleotide sequences encoding (I), are useful for content of the replication or gene expression of HCV in a human cells. (I) are useful for diagnosis, prevention and treatment of HCV CC infection or disease in a mammals especially humans. Nucleotide sequences encoding (I) are useful for preventing hepatitis C viral infection in a CC encoding (I) are useful for preventing hepatitis C viral infection in a CC encoding (I) are useful for preventing hepatitis C viral infection in a CC encoding (I) are useful for preventing hepatitis C viral infection in a CC encoding (I) are useful for preventing hepatitis C viral infection in a CC encoding (I) are useful for preventing hepatitis C viral infection in a CC encoding (I) are useful for preventing hepatitis C viral infection in a CC encoding (I) are useful for preventing hepatitis C viral infection in a CC encoding (I) are useful for preventing hepatitis C viral infection in a CC encoding (I) are useful for preventing hepatitis of the AAA13405 to AAA13405 to AAA13407 represent PCR CC painers used in the amplification of HCV hairpin ribozyme recognition sites; and AAA13468 CC to AAA13473 represent HCV hairpin ribozyme recognition sites; and AAA13468 CC to AAA13473 represent HCV hairpin ribozyme are used in the exemplification of the present in the sequences are used in the exemplification of the present in the sequences are used in the exemplification of the present in the sequences are used in the exemplification of the present in the sequences are used in the exemplification of the present in the sequences are used in the exemplification of the present in the sequences are used in the exemplification of the present in the sequences are used in the exemplificati
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Ribozyme capable of inhibiting replication, expression of hepatitis C virus, useful for hepatitis C virus infection.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence
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27-FEB-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   20-OCT-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 28-MAR-2000.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Hepatitis C virus.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           17-JUL-2000
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97WO-US003304
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Pred. No. 1.2e
0; Mismatches
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Pred. No. 1.2e+02
Mismatches
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ARCSULF 243
AACS2114
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XX O_MAR
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XX APOE;
KW trabbe
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                                                           CC developing early-onset glaucoma and for developing glaucoma with a high crimventure risk of developing allele, or allele in the individual having a comparable that can be used to detect an ApoE4 allele in the comparable in the individual comparises assessing the capacitor that can be used to detect an ApoE4 allele in the individual; and comparise that can be used to detect an ApoE4 allele in the individual; and comparable in the apoE gene promoter. The comparable in the can be used to detect an ApoE4 allele in the individual; and comparable intraocular pressure at onset of disease, comprising comparable in the individual; and comparable in the individual; and comparable interest interest interest interest interest interest individuals as comparable interest. The members who may be the affected individuals or comparable interest inter
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (INRM )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Assessing the risk of an individual for developing early-onset glaucoma, comprises assessing Apolipoprotein E alleles carrying a trabecular meshwork inducible glucocorticoid response gene mutation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ApoE; early-onset glaucoma; intraocular; TIGR; promoter; ApoE4; trabecular meshwork inducible glucocorticoid response; apolipoprotein treatment; diagnosis; probe; ss.
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Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Disclosure; Page 18; 29pp; English
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GCACACGTCCTCCATG 16 GCACAGGTCCTCCAAG 1131

1116

Best Loc Matches Query Match

Local

Similarity

0.5%;

Score 12.8; Pred. No. 1

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DB ٠.

Length Indels

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14;

Conservative

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Mismatches

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TCACCTTTGAGAGCCT 895

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AAF95038/c

ID AAF95038 standard; DNA; 16 BP
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AAF95038;

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DT 23-MAY-2001 (first entry)
XX

Mutant capture oligonucleotid
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Tubercle bacillus; drug sensi
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Tubercle bacillus; drug sensi
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Tubercle bacillus; drug sensi
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EP1076099-A2.
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C2-AUG-2000; 2000EP-00306563.
PR

O3-AUG-1999; 99JP-00220357.
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(NISN) NISSHINBO IND INC.
PA

(SYST-) SYSTEM RES INC.
XX

SUZUKİ Y, NİSHİDA M, Takeni
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PR

WPI; 2001-246696/26.
XX

New oligonucleotides, nucleic
PT differentiating drug-resistar
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C1aim 10; Page 27; 114pp; Eng
XX

C1 The present invention relates
CC sequences obtained from both
CC susceptible to a drug and mut
CC sequences obtained from both
CC susceptible to a drug. The drug
CC rifampicin (RFP), streptomycol
CC resistant to a drug. The drug
CC rifampicin (RFP), streptomycol
CC resistante to INH; the KatG (
CC resistance to INH; the KatG (
CC resistance to INH; the KatG (
CC resistance of tubercle bacilli
CC grimers used to generate the
CC resistance and the determinal
CC simultaneously
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Squence 16 BP; 2 A; 5 C; 6 0
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                                                                                                                                                                                     RESULT 245
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The present invention relates to oligonuclectides based on nucleotide sequences obtained from both wild-type tubercle bacilli (wtTB) that are consistent to a drug and mutant-type tubercle bacilli (mtTB) that are resistant to a drug. The drugs used in the present invention are creaistant to a drug. The drugs used in the present invention are creaistant to a drug. The drugs used in the present invention are creaistant to a drug. The drugs used in the present invention are creaistance to [NH], isoniazid (INH) and creaistance to [NH], isoniazid (INH) and creaistance to [NH], isoniazid (INH) and creaistance to [NH], isoniazid (INH) and creaistance to [NH], the katG gene is responsible for resistance to [NH], creaistance is responsible for resistance to [NH], creaistance of tubercle bacilli (TB) responsible for drug resistance and coligonuclectide of the present invention. The present sequence is an expensional creaistance and the expension can be used to enable the differentiation of drug creaistance and the determination of infection with tubercle bacilli
                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local S
Matches 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 16 BP; 2 A; 5 C; 6 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New oligonucleotides, nucleic acid probes and primers are useful for differentiating drug-resistance and determining infection with tubercle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  streptomycin; kanamycin; isoniazid; ethambutol; rpoB gene; rrs gene; rpsL gene; inhA gene; katG gene; embB gene; probe; PCR primer; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Mutant capture oligonucleotide #31.
                                 16-JAN-2002
                                                                                                                                   AAS56903 standard;
                                                                                                                                                                                                                                                                                                                                                                                                 Local Similarity
                                                                                                                                                                                                                                                                                                                      1662
                                                                                                                                                                                                                                                                   16
                                                                                                                                                                                                                                                                                                                                                                        14;
                                                                                                                                                                                                                                                                                                                         AGGCAGGTCTTGCAGC 1677
                                                                                                                                                                                                                                                                                                                                                                        Conservative
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                                                                                                                                   DNA;
                                 entry)
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                                                                                                                                                                                                                                                                                                                                                                                                 Score 12.8; DB 1; Length 16; Pred. No. 1.2e+02;
                                                                                                                                                                                                                                                                                                                                                                              Mismatches
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Key modified\_base

Location/Qualifiers

Synthetic.

Homo sapiens

Human; ss; CY hybridisation

CYP2D6; cytochrome P450; SNP; single nucleotide polymorphism; ion beacon; 2D64E; F HyBeacon probe; DNA-RNA hybrid.

'n,

HyBeacon

probe

for

human CYP2D6,

2D64E

16-JAN-2002 AAS15118;

(first entry)

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RESULT 246
AAS15118/c
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5
                                                                                                                                                                                                                                                                                                                                      Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human; BRCA-1 regulator; ribozyme; BR1; RNA target recognition; probe; cytostatic; RNA cleavage; tumour suppressor; onex primer; CHIR2; AF6; B inhibitor dominant negative 4; breast basic conserved protein 1; BBC1; BR3; ID4; cancer; proliferative disorder; tumour proliferation; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                   Sequences AAS56729-AAS56968 represent DNA encoding BRCA-1 regulators, ribozyme target recognition RNA sequences, DNA fragments encoding the RNA and primers used in the methods of the invention. Hybridisation of ribozymes to their targets results in cleavage of the RNA target. The ribozymes can be used to cleave regulators of the tumour suppressor BRCA-1, resulting in upregulation or downregulation of BRCA-1 in a cell. The mRNA targets include those encoding the BRCA-1 regulator BRCA inhibitor dominant negative 4 (DD4), breast basic conserved protein 1 (BBC1), CHLR2, AF6, BR2 and BR3. Regulation of BRCA-1 is useful for treating and diagnosing cancer and other proliferative disorders. The severity of an incidence of cancer can be lessened by regulating tumour proliferation through modulation of BRCA-1 expression. The sequences of the invention are useful in the development of anti-cancer drugs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WO200170982-A2
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                                                                                                                                                                                                                                                                                                                                                                                          Sequence 16 BP; 1 A; 6 C; 6 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Novel polypeptides that are the regulators of BRCA-1, useful for treating cancer and diagnosing the presence of neoplastic cells in biological
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  27-SEP-2001
                                                                                                                                                                                                           AAS15118
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14; Conservative
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BEGER C.
                                                                                                                                                                                                            standard; DNA; 16
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Pred. No. 1.
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RESULT 247
AAS15115/c
ID AAS151
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AC AAS151
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Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   oligonucleotide having substantially no secondary structure, and formed of nucleotides, one of which is labeled with a reporter, and no associated quencher. The beacon is used to detect, identify or quantify a target sequence in a sample, and to differentiate between homozygous and heterozygous polynucleotide targets. The present sequence is an F-Q HyBeacon probe targetting the a human gene for cytochrome P450, CYP2D6 which is known to contain several single nucleotide polymorphisms (SNP) and is used to demonstrate the use of the hybridisation beacons of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 A hybridization beacon which is a single stranded oligonucleotide labeled with a fluorophore is useful to discriminate between polymorphic variants
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         29-MAR-2000;
02-NOV-2000;
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                                                                                                                                                Human; ss; CYP2D6; cytochrome P450; SNP; single nucleotide polymorphism; hybridisation beacon; 2D64C*; F HyBeacon probe; DNA-RNA hybrid.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Example; Page 27; 84pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (LGCT-)
Key
modified_base
                                                                         Homo sapiens
Synthetic.
                                                                                                                                                                                                                                                                            16-JAN-2002
                                                                                                                                                                                                                                                                                                                           AAS15115;
                                                                                                                                                                                                                                                                                                                                                                        AAS15115 standard; DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              invention in detecting the SNPs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1704 CAGCCCCAGGAGGCCC 1719
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    16
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CACCCCCAGGACGCCC
                                                                                                                                                                                                                          probe
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2000GB-00026749
                                                                                                                                                                                                                                                                         (first
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           relates to a hybridisation beacon which is
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /*tag= p
/mod_base= OTHER
/mote= "U is cov?
     Location/Qualifiers
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/note= "The 3' end of the probe is blocked with
                                                                                                                                                                                                                          for human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0.5%;
                                                                                                                                                                                                                                                                         entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 12.8; DB 1;
Pred. No. 1.2e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Mismatches
                                                                                                                                                                                                                             2D64C*.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 16;
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RESULT 248
ABK4064
ID ABK406
XX ABK406
XX 1-MAY
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XX Ss; an
KW cardia
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21-MAY-2002 ABK40654;

(first entry)

ABK40654 standard; DNA; 16

ф

Human betal-adrenoceptor antisense

oligonucleotide #76.

hypotensive;

ss; antisense; betal adrenoceptor; betal-AR; vasotropic; cardiant; hypertension; hypertrophy; cardiac ischaemia; cardiovascular disease; cardiac dysfunction.

WO200204623-A2

뭥 S

16 CACCCCCAGGACGCCC 1

1704

CAGCCCCAGGAGGCCC 1719

Query Match Best Local S Matches 14

l Similarity
14; Conserv

Conservative

<u>.</u>

Mismatches

2

0,

Gaps

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Length Indels

0.5%;

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oligonucleotide having substantially no secondary structure, and formed of nucleotides, one of which is labeled with a reporter, and no associated quencher. The beacon is used to detect, identify or quantify a target sequence in a sample, and to differentiate between homozygous and heterozygous polynucleotide targets. The present sequence is an P-Q HyBeacon probe targetting the a human gene for cycochrome P450, CYP2D6 which is known to contain several single nucleotide polymorphisms (SNP) and is used to demonstrate the use of the hybridisation beacons of the invention in detecting the SNPs
                                                                                                                                                                                                                         A hybridization beacon which is with a fluorophore is useful to of target oligonucleotides.
                                                                                                                                                                                                                                                                             WPI;
                                                                                                                                                                                                                                                                                                                                                      29-MAR-2000;
02-NOV-2000;
                                  Sequence 16 BP; 0
                                                                                                                                                                           The invention relates to a hybridisation beacon which is an
                                                                                                                                                                                                  Example; Page 27; 84pp; English.
                                                                                                                                                                                                                                                                                                      French DJ,
                                                                                                                                                                                                                                                                                                                                                                                            28-MAR-2001;
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                                                                                                                                                                                                                                                                                                                               (LGCT-) LGC TEDDINGTON LTD.
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2000GB-00026749
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/note= "The 3' e
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                                  A; 3 C; 10 G;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RNA
                                                                                                                                                                                                                                                                                                       Brown
Score 12.8; DB 1;
Pred. No. 1.2e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  end
                                     N
                                                                                                                                                                                                                                        a single stranded oligonucleotide discriminate between polymorphic v
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                                  T; 1 U;
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f
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  the probe is blocked with
                                     0 Other;
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variants
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RESULT 249
ABS98338/c
ID ABS983
XX ABS983
XX ABS983
XX DF C33-DEC
XX Human
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Human; ss; primer; cytochrome P450 A1; CYP4501A1; UGT2B4; MDR1; PCR; cytochrome P450 A2; CYP4501A2; cytochrome P450 02E; CYP45002E1; LTF; addrenergic receptor beta1; ADRR1; aryl hydrocarbon; AHR; MRP3; NR112; aryl hydrocarbon receptor nuclear translocator; ARNT; cathepsin S; CTSS; cyclooxgenase 2; COX2; diazepam binding inhibitor; DB1; haematological; epoxide hydroxylase 2; EPHZ2; 5-lipoxygenase activating protein; FLAP; glutathione-S-transferase 12; GST12; histamine-N-methyl transferase; HNMT; kallikrain 2; KLK2; nicotinamide-N-methyl transferase; NNMT; MADPH quinone oxidoreductase 2; NQO2; sulfotransferase thermolabile; STM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The invention relates to an isolated antisense oligonucleotide of 9-35 nucleotides in length, which specifically binds to a portion of an mRNA expressed from a gene encoding a mammalian betal-advenoceptor (AR) polypeptide and alters the translation of the mRNA into the betal-AR polypeptide in a host cell expressing the mRNA. Also included are a polypeptide in a host cell expressing the mRNA. Also included are a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Novel antisense oligonucleotides that specifically bind to mRNA encoding beta 1-adrenoreceptor polypeptide, useful for treating cardiac beta function, hypertension, hypertrophy and other cardiovascular diseases
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                                                                                                                                                                                                                                                                                                                                                                                                                                          ABS98338 standard;
                                                                                                                                                                                                                                                                         Human multidrug resistance associated protein 3 PCR primer
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           BP; 2 A; 4 C; 8 G; 2 T; 0 U; 0 Other;
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Pred. No. 1
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UGT2B7; UDP-glucuronosyl transferase; UGT2B15; urokinase receptor; uP multidrug resistance 1; lactotransferrin; orphan nuclear receptor; multidrug resistance associated protein 3; cancer; prostate; acetylcholine muscarinic receptor; CHMR1; CHMR2; CHMR4; CHMR4; CHMR4; CHMR4; cardiovascular function; colorectal tumour; central nervous system; pulmonary; immunological.
                                                                        Guida M,
                                                                                                                                                                                                                            28-NOV-2000; 2000US-00724389.
                                                                                                                                                                                                                                                                                                    28-NOV-2001; 2001WO-US044838
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 UDP-glucuronosyl transferase 2B4; UDP-glucuronosyl transferase 2B7;
2002-698522/75
                                                                                                                                                SCI LAB
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disorder-related traits Isolated nucleic acid molecules having polymorphisms in known human genes e.g. cytochrome p450 and cathepsin S useful as genetic linkage markers for locating, identifying and characterizing the genes responsible for

Example 24; Page 150; 714pp; English

cc mblecule comprising at least one base variation from that of a known comblecule comprising at least one base variation from that of a known controlled comprising at least one base variation from that of a known controlled comprising at least one base variation from that of a known controlled comprising to least the form that of a known caryl hydrocarbon (AHR), aryl hydrocarbon receptor betal (ADBR1), cytochrome P450 A2 (CYP4501A2), aryl hydrocarbon receptor betal (ADBR1), controlled cont This invention relates to the sequence of an isolated nucleic acid

16 P 7 C; ω Ω ~ 5 T; 0 U; 0 Other;

Best Local Similarity Query Match 87.5%; Score Pred. 12.8; No. 1 Length

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RESULT 251
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ABX74378/c
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Matches 14
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                                                                                                                                                                                                                                       The invention relates to a new ribozyme with the ability to inhibit replication, infectivity or gene expression of a Hepatitis C Virus (HCV) by cleaving the positive strand genomic RNA of HCV at a sequence having 16 bp. Also included are a nucleic acid encoding the ribozyme, a host cell containing the ribozyme or vector, a vector comprising a promoter operably linked to the nucleic acid, producing a ribozyme, interfering with HCV replication or gene expression in a cell infected in a cell culture with HCV or a composition comprising the ribozyme and a carrier or diluent. The ribozyme is useful for treating or preventing HCV infection. The present sequence is an HCV -ve strand recognition sequence for a ribozyme of the invention
                                                                                                                                                                                                                                                                                                                                                                                                              New ribozyme having the ability to inhibit replication, infectivity or gene expression of a Hepatitis C Virus (HCV), useful for treating or preventing HCV infection.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABX74378 standard; RNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               01-OCT-2002.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Hairpin ribozyme; ss; hepatitis C infection; HCV; gene therapy; virucide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Hepatitis C recognition sequence
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              29-MAY-2002
                                     ABN08656;
                                                                                                                                                                                                                   Sequence 16
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Barber JR,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    29-FEB-1996;
20-OCT-1997;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Hepatitis C virus
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                                                            ABN08656
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                                                                                                                                             880 TCACCTTTGAGAGCCT 895
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                                                            standard;
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97US-00954210
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                                                                                                                                                                   Score 12.8; D. Pred. No. 1.2e 0; Mismatches
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CCAGCTGCAGAGGCAG 1667

Query Match
Best Local Similarity
Matches 14; Conserv

Conservative

87.5%; C;

Score 12.8; DB 1; Pred. No. 1.4e+02; 0; Mismatches 2;

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Indels

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Length 17;

Sequence

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ВP;

A; 5

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0 Other

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The present invention describes a human genome-derived myosin-like CC protein 1 (hGDMLP-1). The protein and polynucleotide sequences of hGDMLP-1 can be used in gene therapy and vaccine production. The hGDMLP-1 cC nucleic acids can be used as probes to detect, characterise and quantify cc hGDMLP-1 nucleic acids in samples, as amplification substrates, to compress the initial substrates for the recombinant engineering of hGDMLP-1 cc protein variants having desired phenotypic improvements, and for cused as immunogens to raise antibodies that specifically recognise hGDMLP cused as immunogens to raise antibodies that specific biomolecule capture probes for surface-enhanced laser description ionisation, as ctherapeutic supplement in patients having specific deficiency in hGDMLP-1 proteins, as specific biomolecule complyurclectide sequences encoding hGDMLP-1 may be used for diagnosing a clistoride sequences encoding hGDMLP-1 may be used for diagnosing a clistoride sequence sencoding hGDMLP-1 may be used for diagnosing a clistory associated with the expression of hGDMLP-1, in particular heart can skeletal muscle disorders. hGDMLP-1 is localised to chromosome 22. The present sequence represents an oligomer used in the screening of the Chromosome data for this patent did not form part of the printed continued at the printed continued at the printed continued but was obtained in electronic format directly from WIPO at figure 1 may be used of the printed continued but was obtained in electronic format directly from WIPO at figure 1 may be used for diagnosing a continued but was obtained in electronic format directly from WIPO at figure 2 may be used to chromosome 22.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New polypeptide, for raising antibodies that recognize hGDMLP-1 proteins, or as specific biomolecule capture probes for surface-enhanced laser desorption ionization, comprises human myosin-like protein hGDMLP-1.
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27-SEP-2000;
04-OCT-2000;
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30-JAN-2001;
30-JAN-2001;
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05-FEB-2001;
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; 2001WO-US000669.
; 2001WO-US000670.
; 2001US-0266860P.
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2000US-0234687P
2000US-0236359P
2000US-02024263
2001WO-US000661
2001WO-US000663
                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQ ID NO 8648;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                 214pp; English.
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                         The invention relates to antisense compounds targetted to a nucleic acid molecule encoding human inhibitor-kappa B-R (also known as I-kappaBR, IKBR, I-kappa-B-related, ikappab r, nuclear factor of kappa light polypeptides gene enhancer in B-cells inhibitor-like 2 and NFKBIL2) to inhibit its expression. Antisense compounds of the invention are useful for treating diseases or conditions associated with the expression of inhibitor-kappa B-R such as a heightened immune response involving increased cytokine expression, or a result of infection (e.g. bacterial, viral or parasitic). They are useful for diagnostics, therapeutics, prophylaxis e.g. to prevent or delay infection, inflammation or tumour formation, as research reagents and kits and in distinguishing between functions of various members of a biological pathway. They are also useful in antisense therapy. The present sequence is an oligonucleotide targetted to human inhibitor-kappa B-R DNA
                                                                                                                                                                                                                                                                                                              New antisense oligonucleotides targeted to nucleic acids encoding inhibitor-kappa B-R, useful for diagnosing or treating diseases associated with expression of inhibitor-kappa B-R, e.g., a heightened
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/note= "Phosphorothioate backbone; All cytidine residues
are 5-methylcytidines"
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e= "2'-methoxyethyl (2'-MOE) nucleotides"
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Sequence 20

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7 G:

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1227 CTCCAGCATGTGCTGG 1242

Query Match Best Local S Matches 14

14; Conserv

Conservative

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Score 12.8; DB 1 Pred. No. 1.9e+02 Mismatches

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Sequence

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ABK99820/c
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The invention describes a compound (I) 8-50 nucleobases in length crargeted to a nucleic acid molecule (II) encoding RAIDD which is an CC targeted to a nucleic acid molecule (II) encoding RAIDD which is an CC adaptor molecule containing both death domain (DD) and caspase crecitiment domains (CARD), where (I) specifically hybridises with at least an CC inhibits expression of RAIDD, or specifically hybridises with at least an CC inhibiting the expression of RAIDD (Receptor interacting protein (RIP) associated ICH-1/CED-3-homologous protein with death domain) in cells or CC tissues, and for treating an animal having a disease or condition CC associated with RAIDD, where the disease or condition is a straight of the RAIDD, where the disease or condition is a hyperproliferative disorder such as cancer, or a growth or metabolic disorder. (I) is also useful for diagnostics, therapeutics, prophylaxis, as research reagents and kits, for distinguishing functions of various are members of a biological pathway, and in antisense gene therapy. (I) is calso useful prophylactically, e.g. to prevent or delay infection. This sequence represents a mouse RAIDD antisense oligonucleotide used to control expression of the RAIDD protein or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    밁
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Matches 14
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                                                                                                                                                                                                                                                                                                                                                                                                                       Novel antisense compound that hybridizes and inhibits nucleic acid encoding RAIDD which is an adaptor molecule containing both death domain and caspase recruitment domains, for treating hyperproliferative
                                                                                                                                                                                                                                                                                                                                                                Claim 3; Page 95; 144pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Zhang H,
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BP; 4
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A; 6 C; 6 G; 4 T; 0 U; 0 Other;
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                        The invention relates to antisense compounds targetted to a nucleic acid molecule encoding human inhibitor-kappa B-R (also known as I-kappaBR, IKBR, I-kappaB-B-related, ikappab I, nuclear factor of kappa BI-RappaBR, polypeptides gene enhancer in B-cells inhibitor-like 2 and NFKBIL2) to inhibit its expression. Antisense compounds of the invention are useful for treating diseases or conditions associated with the expression of inhibitor-kappa B-R such as a heightened immune response involving increased cytokine expression, or a result of infection (e.g. bacterial, viral or parasitic). They are useful for diagnostics, therapeutics, prophylaxis e.g. to prevent or delay infection, inflammation or tumour formation, as research reagents and kits and in distinguishing between functions of various members of a biological pathway. They are also useful in antisense therapy. The present sequence is an oligonucleotide targetted to human inhibitor-kappa B-R DNA
                                                                                                                                                                                                                                                                                      New antisense oligonuclectides targeted to nucleic acids encoding inhibitor-kappa B-R, useful for diagnosing or treating diseases associated with expression of inhibitor-kappa B-R, e.g., a heightened immune response or infection.
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/mod_base= OTHER
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/note= "Phosphorothioate backbone; All cytidine residues
are 5-methylcytidines"
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/mod_base=
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/note= "2'-methoxyethyl
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Matches 15
The invention relates to antisense compounds targetted to a nucleic acid molecule encoding human inhibitor-kappa B-R (also known as I-kappaBR, IKBR, I-kappa-B-related, ikappab r, nuclear factor of kappa light polypeptides gene enhancer in B-cells inhibitor-like 2 and NFKBIL2) to inhibit its expression. Antisense compounds of the invention are useful for treating diseases or conditions associated with the expression of inhibitor-kappa B-R such as a heightened immune response involving increased cytokine expression, or a result of infection (e.g. bacterial, viral or parasitic). They are useful for diagnostics, therapeutics, prophylaxis e.g. to prevent or delay infection, inflammation or tumour
                                                                                                                                                                                                                                                                                                                                               New antisense oligonucleotides targeted to nucleic acids encoding inhibitor-kappa B-R, useful for diagnosing or treating diseases associated with expression of inhibitor-kappa B-R, e.g., a heightened immune response or infection.
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/note= "Phosphorothicate backbone;
are 5-methylcytidines"
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Pred. No. 2
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The invention relates to antisense compounds targetted to a nucleic and molecule encoding human inhibitor-kappa B-R (also known as I-kappaBR, IKBR, I-kappa-B-related, ikappab r, nuclear factor of kappa light polypeptides gene enhancer in B-cells inhibitor-like 2 and NFKBIL2) to
                                                         Claim
                                                                              New antisense oligonuclectides targeted to nucleic acids encoding inhibitor-kappa B-R, useful for diagnosing or treating diseases associated with expression of inhibitor-kappa B-R, e.g., a height immune response or infection.
                                                                                                                                                                                                        13-NOV-2001;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human inhibitor-kappa B-R antisense oligonucleotide,
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/mod_base= OTHER
/note= "2'-methoxyethyl
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/note= "Phosphorothicate backbone; All cytidine residues
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Pred. No. 2.1e+02;
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infection; inflammation; therapy;
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5-methylcytidines"
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New antisense oligonucleotides targeted to nucleic acids encoding inhibitor-kappa B-R, useful for diagnosing or treating diseases associated with expression of inhibitor-kappa B-R, e.g., a heighte immune response or infection.

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                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human; inhibitor-kappa B-R; I-kappaBR; IKBR; I-kappa-B-related; ikappab r; antisense; immune response; infection; inflammation; tumour; prophylaxis; phosphorothicate; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens
Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAL61582 standard; DNA; 20
                                                                                                                                                                                                                                       modified_base
                                                                                                                                                                                                                                                                                                modified_base
                                                                                                                                                                                                                                                                                                                                                                    modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human inhibitor-kappa B-R antisense oligonucleotide, ISIS #130507
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               22-SEP-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 20 BP; 5 A; 6 C; 5 G; 4 T; 0 U; 0 Other;
WPI; 2003-468635/44
                         Monia BP,
                                                     (ISIS-) ISIS PHARM INC
                                                                               13-NOV-2001; 2001US-00993731
                                                                                                          05-NOV-2002; 2002WO-US035597
                                                                                                                                          22-MAY-2003.
                                                                                                                                                                      WO2003042360-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAL61582;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1120 AGGTCCTCCAAGACCTG 1136
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Similarity 82.4%;
14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AGATGCTGCAAGACCTG 17
                         Watt AT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (first entry)
                                                                                                                                                                                                                                                                                                            /mod_base= OTHER
/note= "Phosphorothioate
are 5-methylcytidines"
                                                                                                                                                                         /*tag= c
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/note= "2'-methoxyethyl (2'-MOE) nucleotides"
                                                                                                                                                                                                                                         /*tag= b
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16. .20
                                                                                                                                                                                                                                                                                                                                                                                    Location/Qualifiers
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Pred. No. 2.4e+02;
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                                                                                                                                                                                                                                                        (2'-MOE) nucleotides"
                                                                                                                                                                                                                                                                                                                              backbone; All cytidine residues
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New antisense oligonucleotides targeted to nucleic acids encoding inhibitor-kappa B-R, useful for diagnosing or treating diseases associated with expression of inhibitor-kappa B-R, e.g., a heightened
Claim 3; Page 75; 108pp; English
                                                                                              immune response or infection.
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The invention relates to antisense compounds targetted to a nucleic acid molecule encoding human inhibitor-kappa B-R (also known as I-kappaBR, IXBR, I-kappa-B-related, ikappab r, nuclear factor of kappa BRD) to polypeptides gene enhancer in B-cells inhibitor-like 2 and NFKBIL2) to inhibit its expression. Antisense compounds of the invention are useful for treating diseases or conditions associated with the expression of inhibitor-kappa B-R such as a heightened immune response involving increased cytokine expression, or a result of infection (e.g. bacterial, viral or parasitic). They are useful for diagnostics, therapeutics, prophylaxis e.g. to prevent or delay infection, inflammation or tumour formation, as research reagents and kits and in distinguishing between functions of various members of a biological pathway. They are also useful in antisense therapy. The present sequence is an oligonucleotide targetted to human inhibitor-kappa B-R DNA Sequence 20 BP; 5 A; 5 C; 7 G; 3 T; 0 U; 0 Other; Score 12.2; Pred. No. 2. ; DB 1; 2.4e+02; Length

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Query Match
Best Local S
Matches 14
22-SEP-2003
                    AAL61575
                                       AAL61575 standard; DNA; 20
                                                                                                                  1120
                                                                                                                                    ch 0.5%; l Similarity 82.4%; 14; Conservative
                                                                                            w
                                                                                             AGATGCTGCAAGACCTG 19
                                                                                                                AGGTCCTCCAAGACCTG 1136
(first entry)
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Human; inhibitor-kappa B-R; I-kappaBR; IKBR; I-kappa-B-related; NFKBIL2; ikappab r; antisense; immune response; infection; inflammation; therapy; tumour; prophylaxis; phosphorothicate; ss: Synthetic. Human inhibitor-kappa B-R antisense oligonucleotide, sapiens Location/Qualifiers ISIS #130500.

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modified_base
 13-NOV-2001;
           05-NOV-2002;
                                                          modified_base
                                                                                                          modified_base
                                 WO2003042360-A2
                      22-MAY-2003
 2001US-00993731
            2002WO-US035597.
                                                                                      are
                                                           16. .20
                                                                mod_base= OTHER
note= "2'-methoxyethyl
                                                                           *tag=
                                                                                     note= "Phosphorothicate backbone; s-methylcytidines"
                                                                                                       *tag=
                                            note= "2'-methoxyethyl
                                                      *tag= c
                                                                                                 base- OTHER
                                                 base- OTHER
                                            (2'-MOE) nucleotides
                                                                 (2'-MOE)
                                                                 nucleotides'
                                                                                             All cytidine residues
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RESULT 260
AAL61547
ID AAL615
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Matches 14
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                                                                                                                                                                                                                                                                                             Human; inhibitor-kappa B-R; I-kappaBR; ikappab r; antisense; immune response; tumour; prophylaxis; phosphorothioate;
                                                                                                                                                                                                                                                                                                                                                                                                                                               AAL61547 standard;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The invention relates to antisense compounds targetted to a nucleic acid molecule encoding human inhibitor-kappa B-R (also known as I-kappaBR, IKBR, I-kappa-B-related, ikappab r, nuclear factor of kappa light polypeptides gene enhancer in B-cells inhibitor-like 2 and NFKBIL2) to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Example 15; Page 75; 108pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New antisense oligonucleotides targeted to nucleic acids encoding inhibitor-kappa B-R, useful for diagnosing or treating diseases associated with expression of inhibitor-kappa B-R, e.g., a heightened immune response or infection.
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Synthetic.
 WO2003042360-A2
                                                                       modified_base
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                                                                                                                                                                                                                       Location/Qualifiers
                                                                                                                                             /note= "Phosphorothioate backbone;
are 5-methylcytidines"
                            /mod_base= OTHER
/note= "2'-methoxyethyl (2'-MOE) nucleotides"
                                                                                                                                                                            mod_base= OTHER
                                                          *tag=
                                                                                     note=
                                                                                                     mod_base= OTHER
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Pred. No. 2.4e+02;
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infection; inflammation; therapy;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 20;
                                                                                       nucleotides"
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                                                                                                                                                                All cytidine residues
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Search completed: April Job time : 9 secs

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New antisense oligonucleotides targeted to nucleic acids encoding inhibitor-kappa B-R, useful for diagnosing or treating diseases associated with expression of inhibitor-kappa B-R, e.g., a heightened
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   13-NOV-2001; 2001US-00993731.
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                                                                                                                                              Sequence 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Example 15; Page 74; 108pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               immune response or intection.
                                  1061
                                                                      l Similarity
12; Conserv
                                    GTGTGCGCACAC 1072
GTGTGCGCACAC 20
                                                                                                                                            BP; 3 A; 7 C; 5 G; 5 T; 0 U; 0 Other;
                                                                      0.5%;
ilarity 100.0%;
Conservative (
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                                                                                          Score 12;
Pred. No.
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o. 2.5e+02;
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      Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
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US-09-866-108A-930
US-09-866-108A-6391
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US-09-866-108A-6391
US-09-866-108A-658
US-09-866-108A-658
US-09-866-108A-2615
US-09-866-108A-2616
US-09-255-912-14
US-09-866-108A-2616
US-08-373-124A-180
US-08-373-124A-180
US-08-373-124A-184
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US-08-373-124A-184
US-08-373-124A-184
US-08-373-124A-184
US-09-866-108A-2593
US-08-435-628-184
US-09-258-4410-5441
US-09-866-108A-7859
US-09-474-4328-668
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Sequence 668, App Sequence 930, App Sequence 930, App Sequence 930, App Sequence 6391, App Sequence 6391, App Sequence 6391, App Sequence 6392, App Sequence 184, App Sequence 184, App Sequence 184, App Sequence 184, App Sequence 184, App Sequence 184, App Sequence 184, App Sequence 184, App Sequence 184, App Sequence 184, App Sequence 184, App Sequence 184, App Sequence 28, Appl Sequence 28, Appl Sequence 28, Appl Sequence 28, Appl Sequence 28, Appl Sequence 1607, App Sequence 667, App Sequence 173, Appl Sequence 173, Appl Sequence 19, Appl Sequence 19, Appl Sequence 10, Appl Sequence 110, Appl Sequence 110, Appl Sequence 13, Appl Sequence 13, Appl Sequence 13, Appl Sequence 13, Appl Sequence 13, Appl Sequence 13, Appl Sequence 247, Appl Sequence 247, Appl Sequence 247, Appl Sequence 247, Appl Sequence 324, Appl Sequence 324, Appl Sequence 324, Appl Sequence 324, Appl Sequence 324, Appl Sequence 324, Appl Sequence 324, Appl Sequence 324, Appl Sequence 324, Appl Sequence 324, Appl Sequence 324, Appl Sequence 324, Appl Sequence 324, Appl Sequence 324, Appl Sequence 324, Appl Sequence 324, Appl Sequence 324, Appl Sequence 324, Appl Sequence 324, Appl Sequence 324, Appl Sequence 324, Appl Sequence 324, Appl Sequence 324, Appl Sequence 324, Appl Sequence 324, Appl Sequence 324, Appl Sequence 324, Appl Sequence 324, Appl Sequence 324, Appl Sequence 324, Appl Sequence 324, Appl Sequence 324, Appl Sequence 324, Appl Sequence 324, Appl Sequence 324, Appl Sequence 324, Appl Sequence 324, Appl Sequence 324, Appl Sequence 324, Appl Sequence 325, Appl Sequence 326, Appl Sequence 326, Appl Sequence 327, Appl Sequence 328, Appl Sequence 328, Appl Sequence 328, Appl Sequence 328, Appl Sequence 328, Appl Sequence 329, Appl Sequence 324, Appl Sequence 324, Appl Sequence 324, Appl Sequence 325, Appl Sequence 326, Appl Sequence 326, Appl Sequence 326, Appl Sequence 326, Appl Sequence 326, Appl Sequence 326, Appl Sequence 326, Appl Sequence 326, Appl Sequence 326, Appl Sequence 326, Appl Sequence 326, Appl Sequence 326, Appl Sequen
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Sequence 18, Application US/09580923 Patent No. 6319672 GENERAL INFORMATION:
                                                                                                                                                                                                      Query Match
Best Local Similarity
                                                                                                                                                                                       Matches
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                                                                                                                                                                                                                                                                                                                                             INFORMATION FOR SEQ ID NO: 1
SEQUENCE CHARACTERISTICS:
LENGTH: 25 base naive
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                                                                                                                                                                                                                                                                                                                                                                                                         NAME: Savitzky Esq., Martin F.
REGISTRATION NUMBER: 29,699
REFERENCE/DOCKET NUMBER: ST94090-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (610) 454-3816
TELEPAX: (610) 454-3808
                                                                                                                                                                                                                                                                       MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "Oligonucleotide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE: 08-NOV-1995
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CLASSIFICATION: 435
PRIOR APPLICATION NUMBER: FR 94/15162
FILING DATE: 16-DEC-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO FR95/01468
APPLICATION NUMBER: WO FR95/01468
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/860,038
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ZIP: 19426
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CORRESPONDENCE ADDRESS:
ADDRESSEE: Rhone-Poulenc Rorer Inc.
STREET: 500 Arcola Road, Mailstop 3C43
CITY: Collegeville
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: CROUZET, Joel
APPLICANT: SCHERMAN, Daniel
APPLICANT: WILS, Pierre
TITLE OF INVENTION: PURIFICATION OF A TRIPLE HELIX FORMATION
TITLE OF INVENTION: WITH AN IMMOBILIZED OLIGONUCLEOTIDE
                                                                                                                                                                                                                                                                                                   TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
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                                                                                                                                                     1771 AGGAGGAGGAGGCGAGGAGGC 1792
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US-09-156-979-46
US-09-387-341-107
US-09-866-108A-7854
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Pred. No. 7.
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Sequence 46, Appl
Sequence 107, App
Sequence 7854, Ap
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APPLICANT: Blanche, Francis
APPLICANT: Blanche, Francis
TITLE OF INVENTION: PURIFICATION OF A TRIPLE HELIX FORMATION WITH
TITLE OF INVENTION: IMMOBILIZED OLIGONUCLECTIDE
FILE REFERENCE: 03804,0138-01
CURRENT APPLICATION NUMBER: US/09/580,923
CURRENT FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: 08/860,038
PRIOR APPLICATION NUMBER: 08/860,038
PRIOR APPLICATION NUMBER: PCT/FR95/01468
PRIOR APPLICATION NUMBER: PCT/FR95/01468
PRIOR PILING DATE: 1995-11-08
NUMBER OF SEQ ID NOS: 36
SOPTWARE: PatentIn Ver. 2.1
SEQ ID NO 18
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:
CTHER INFORMATION: oligonucleotide
US-09-580-923-18
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US-08-863-639A-41
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GENERAL INFORMATION:
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Best Local Similarity 95.8
Matches 21; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 41,
                                                                                                          APPLICATION NUMBER: US/08/863
APPLICATION NUMBER: US/08/863
FILING DATE: May 28, 1997
CLASSIFICATION: 435
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: JOSEPH E. Mueth
REGISTRATION NUMBER: 20,532
REFERENCE/POCKET NUMBER: 1185
TELECOMPUNICATION INFORMATION:
TELEPHONE: (626) 796-4000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT:
APPLICANT:
APPLICANT:
                                                    TELEPHONE: (626) 796-400
TELEFAX: (626) 795-6321
INFORMATION FOR SEQ ID NO: 6
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Matson, Robert S.
APPLICANT: Coassin, Peter J.
APPLICANT: Rampal, Jang B.
APPLICANT: Caskey, C. T.
TITLE OF INVENTION: OLIGONUCLEOTIDE REPEAT ARRAYS
NUMBER OF SEQUENCES: 95
CORRESPONDENCE ADDRESS:
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.44
COMPUTER: ISM compatible
OPERATING SYSTEM: Windows 95
SOFTWARE: Corel WordPerfect 8 version
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                          COUNTRY: U
                                                                                                                                                                                                                                                                                                                                                                                                                                                               CITY: Pasadena
STATE: CA
STRANDEDNESS:
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STREET: 225 South Lake Avenue,
             ENGTH: 21 base pairs
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Scherman, Daniel
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Wils, Pierre
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Pred. No. 7.
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; TOPOLOGY: li
; MOLECULE TYPE:
US-08-863-639A-41
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                                                                                                                                                                                                                                                                                                                                                          REGISTRATION NUMBER: 20,532
REFERENCE/DOCKET NUMBER: 118:
TELECOMMUNICATION: INFORMATION:
TELEPHONE: (626) 796-4000
TELEPHONE: (626) 795-6321
INFORMATION FOR SEQ ID NO: 53:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
Matches 20; Conserv
                           Sequence 59, Application US/08863639A
Patent No. 5981185
GENERAL INFORMATION:
APPLICANT: Matson, Robert S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 53, Patent No. 5
                                                                                                                                                                                                             Matches
                                                                                                                                                                                                                                        Query Match
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APPLICANT: Matson
                                                                                                                                                                                                                                                                                      MOLECULE TYPE: Other nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: US/00
FILING DATE: May 28, 1997
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM: MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TITLE OF INVENTION: OLIGONUCLEOTIDE REPEAT ARRAYS NUMBER OF SEQUENCES: 95
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER: LBM COMPUTER: COTEL WINDOWS 95
COTEL WORDERSTERS: WINDOWS 95
COTEL WATA: 'COTEL GRAPH
COTEL WINDOWS 95
                                                                                                                                                                                                                          Local Similarity
                                                                                                                                                                                                                                                                                                     TOPOLOGY:
                                                                                                                                                                                                                                                                                                                  STRANDEDNESS:
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                                                                                                                                                                                                                                                                                                                             nucleic acid
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                                                                                                                                                   AGGAGGAGGAGGAGGAGG 1
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Matson, Robert S.
Coassin, Peter J.
Rampal, Jang B.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    USA
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Coassin, Peter J.
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)N: 435
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Diskette,
                                                                                                                                                                                                                                                                                                                  single
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         3.50 inch, 1.44 Mb storage
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Pred. No. 6.
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Pred. No. 6
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                                                                                                                                                                                                             Mismatches
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US-08-863-639A-59
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                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 64,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEFAX: (626) 795-632
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ATTORNEY/AGENT INFORMATION:
NAME: JOSEPH E. Mueth
REGISTRATION UNDER: 20,532
REFERENCE/DOCKET NUMBER: 1185
TELECOMMUNICATION INFORMATION:
TELEPHONE: (626) 796-4000
TELEPHAX: (626) 795-6321
                                                                                                                                                                                                                                                                                                                                                                            GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                          tent No.
                                COMPUTER: IBM compatible
OPERATING SYSTEM: Windows 95
SOFTWARE: Corel WordPerfect 8
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/863
                                                                                                           COUNTRY: USA
ZIP: 91101
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SOFTWARE: Corel Worder CURRENT APPLICATION DATA:
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TITLE OF INVENTION: OLIGONUCLEOTIDE REPEAT ARRAYS
NUMBER OF SEQUENCES: 95
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sheldon & Mak
STREET: 225 South Lake Avenue, 9th Floor
                                                                                                                                                                                                                                     CORRESPONDENCE ADDRESS:
ADDRESSEE: Sheldon & Mak
                                                                                                                                                                                                                                                                     APPLICANT: Rampal, Jang B.
APPLICANT: Caskey, C. T.
TITLE OF INVENTION: OLIGONUCLECTIDE REPEAT ARRAYS
NUMBER OF SEQUENCES: 95
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM: MEDIUM TYPE: Diskett
                                                                                                                                                                                   STREET: E-
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TOPOLOGY: lir
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    OPERATING SYSTEM: Windows 95
SOFTWARE: Corel WordPerfect 8
FILING DATE: Ma
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: nucleic acid
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                                                                                                                                                                                                                   225 South Lake Avenue, 9th Floor
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                                                                                                                                                                                                                                                                                                                                                        Matson, Robert
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  linear
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Other nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    May 28, 1997
     Мау 28, 1997
N: 435
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                                                                                                                                                                                                                                                                                                                                        Robert S.
Peter J.
                                   US/08/863,639A
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                                                                                                                  3.50 inch, 1.44 Mb storage

    Mismatches

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Pred. No. 6.9;
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ATTORNEY/AGENT INFORMATION

REFERENCE/DOCKET NUMBER: 11
TELECOMMUNICATION INFORMATION:

11859-1

(626)

REGISTRATION NUMBER:

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                                                                                                                                                                                             JS-08-486-421-51
                                                                                              Query Match
Best Local Similarity
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Best Local :
                                                                Matches
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INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                               TELEX: 66141 PENNIE INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT:
                                                                                                                                                                                                                        TOPOLOGY: 1
                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE CHARACTERISTICS:
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ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE: 07-JUN-
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SOFTWARE: PatentIn Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
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ZIP: 10036-2711
COMPUTER READABLE FORM:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELECOMMUNICATION INFORMATION: TELEPHONE: (212) 790-9090
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                                                                           LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME: Coruzzi, Laura A. REGISTRATION NUMBER: 30 REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER: IBM PC
OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                  STRANDEDNESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: US 08/470,911
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      1772 GGAGGAGGAGGCGGAGGAGGCGGC 1795
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                                                                                                                                                                                                                                                                                                             H: 24 base pairs
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                                                                Conservative
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IBM PC compatible
SYSTEM: PC-DOS/MS-DOS
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                                                                                              0.8%;
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95.2%; Pred. No. 6.9;
tive 0; Mismatches
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                                                            ; Score 19.2; D; Pred. No. 12; 0; Mismatches
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                                                                                                                             DB 1;
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                                                                                                                         Length 24;
                                                                Indels
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                                                                                                                                                                                                                                                                                               RESULT 9
US-08-486-809-51
                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 0.8%;
Best Local Similarity 87.5%;
Matches 21; Conservative
                                                                                                                                                                                                                                                                           Sequence 51,
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                                                                                                                                                                                                                                                         Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             08-470-911-51
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 24 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          tent No.
                                                                                                                                                             APPLICANT: Johnson, Edward M. APPLICANT: Bergemann, Andrew D. TITLE OF INVENTION: CLONING AND NUMBER OF SEQUENCES: 51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: COTUZZI, Laura A.
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 69:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CURRENT APPLICATION DATA:
APPLICATION NUMBER: US,
FILING DATE: 06-JUN-199
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Bergemann, Andrew D.
TITLE OF INVENTION: CLONING AND EXPRESSION OF FUR PROTEIN
NUMBER OF SEQUENCES: 51
                                                                                                                                             CORRESPONDENCE ADDRESS
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                                                                                    ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
                                                       COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: nucleic acid STRANDEDNESS: sing TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STATE: New York
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TELEFAX: (212) 869-9741/8864
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                                                                                                                                                                                                                                                                                                                                                                                                         1772 GGAGGAGGAGGCGGAGGAGGCGGC 1795
                                                                                                                                                                                                                                        INFORMATION:
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                   ER READABLE FORM:
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                                                                                                                                                                                                                                                                           Application US/08486809
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Floppy disk
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Pred. No. 12;
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                                                                                                                                                                                    EXPRESSION OF PUR PROTEIN
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RESULT 10
US-08-863-639A-70
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Best Local Similarity 87.5%;
Matches 21; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 70, Application US/08863639A
Patent No. 5981185
          COMPUTER: IBM compatible
OPERATING SYSTEM: Windows 95
SOFTWARE: Corel WordPerfect 8 version
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/863,639A
FILING DATE: May 28, 1997
CLASS.FFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: JOSEPH B. Mueth
REGISTRATION NUMBER: 20,532
REFERENCE/DOCKET NUMBER: 11859-1
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICAM: Matson, Robert S.
APPLICAM: Matson, Robert J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEFAX: (212) 869-974
TELEX: 65141 PENNIE
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 24 base pairs
                                                                                                                                                                                                                                                ZIP: 91101
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MOLECULE TYPE: DNA
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APPLICATION NUMBER: US 08/470,911
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SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILING DATE: 06-JUN-1995
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME: COTIZZI, Laura A.
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 692:
RELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-9741/8864
                                                                                                                                                                                                                                                                                                                                                                                                                                     UMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STRANDEDNESS:
                                                                                                                                                                                                                                                                                               COUNTRY: U
                                                                                                                                                                                                                                                                                                                                                       ADDRESSEE: Sheldon & ran
STREET: 225 South Lake Avenue, 9th Floor
                                                                                                                                                                                                                                                                                                                                                                                                              RRESPONDENCE ADDRESS
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FILING DATE: 07-JUN-1995
TELEPHONE:
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Caskey, C. T.
VENTION: OLIGONUCLECTIDE REPEAT ARRAYS
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  (626)
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796-4000
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OPERATING SYSTEM: Windows 95

SOFTWARE: Corel Wordberfect 8 version

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/863,6777

FILING DATE: May 28, 1997

CLASSIFICATION: 437

NAME:
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US-08-863-639A-83/c
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Best Local Simi
Matches 19;
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GENERAL IN
                                                      Query Match
Best Local Similarity
Matches 19; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 83,
                                                                                                                                                                                                   TELEFAX: (626) 795-6321
INFORMATION FOR SEQ ID NO: 83:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                         RATIONALI, COLOR MUNICIPAL MANE: JOSEPH E. MUNIBER: 20,532
REGISTRATION NUMBER: 20,532
REFERENCE/DOCKET NUMBER: 11/
TELECOMMUNICATION INFORMATION:
TELEPHONE: (626) 796-4791
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TOPOLOGY: linear Molecule Type: Other nucleic acid
                                                                                                                              MOLECULE TYPE: Other nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQUENCES: 95
CORRESPONDENCE ADDRESS: Sheldon & Mak
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Matson, Robert S. APPLICANT: Coassin, Peter J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Coassin, Peter APPLICANT: Rampal, Jang B.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: nuclear STRANDEDNESS:
                                                                                                                                                         STRANDEDNESS:
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                                                                                                                                              TOPOLOGY:
                                                                                                                                                                                        LENGTH:
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                            1772 GGAGGAGGAGGCGGAGGAGG 1791
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21
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                                                                                                                                                                                        21 base pairs
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                                                  0.7%; Score 18.4; dlarity 95.0%; Pred. No. 11 Conservative 0; Mismatche
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VENTION: OLIGONUCLECTIDE REPEAT ARRAYS
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linear
                                                                                                                                                       single
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Pred. No. 1:
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                                                         Mismatches
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RESULT 12 US-08-486-343A-5/c

Sequence 5, Application US/08486343A Patent No. 6071695

OZKAYNAK, ENGIN

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RESULT 13
PCT-US95-07349-5/c
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                                                                                                                                                                                                                                                                                Sequence 5, Application PC/TUS9507349 GENERAL INFORMATION:
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Best Local Similarity
Matches 19; Conserv
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INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0,
CURRENT APPLICATION DATA:
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MEDIUM TYPE: Floppy
                                                                                                                                                                                                    TITLE OF INVENTION: METITLE OF INVENTION: MCNUMBER OF SEQUENCES: 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            REGISTRATION NUMBER: 27,829
REFRENCE/DOCKET NUMBER: CRITELECOMMUNICATION INFORMATION:
TELEPHONE: (617)-248-7000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION DATA:
APPLICATION NUMBER: US,
FILING DATE: 07-JUN-19:
CLASSIFICATION: 435
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME/KEY: misc feat
LOCATION: 1..21
OTHER INFORMATION:
OTHER INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MEDIUM TYPE: Floppy disk
COMPUTER: IEM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
                                                                                            COUNTRY: U. ZIP: 07148
                                                                                                                                                                      ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LENGTH: 21 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                      CITY: HOPKINTON
                                                                                                                                                       STREET:
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                                                                                                                                                        E: INC.
45 SOUTH STREET
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                                                                                                                                                                                                                                                                                                                                                                                                                                            Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    linear
                                                                                                                                                                                       PATENT ADMINISTRATOR,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           07-JUN-1995
N: 435
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                                                                                                                                                                                                                                                                                                                                                                                                                                                       0.7%;
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                                                                                                                                                                                                                     METHODS AND COMPOSITIONS FOR MODULATING MORPHOGEN EXPRESSION 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /note= "WT1/EGR HUMAN TCC BINDING SITE"
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                                                                                                                                                                                                                                                                                                                                                                                                                                            0; Mismatches
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Pred. No. 11
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                  Version #1.25
                                                                                                                                                                                       CREATIVE BIOMOLECULES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DB 1;
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US-09-490-692-153/c
/ Sequence 153, Application US/09490692
/ Sequent No. 6180353
/ Patent No. 6180353
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             , OTHER INFORMATION: Antisense Oligonucleotide US-09-433-699-43
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US-09-433-699-43/c
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LOCATION: 1..21
, OTHER INFORMATION: /note= "WT1 HUMAN TCC BINDING SITE"
PCT-US95-07349-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Ś
GENERAL INFORMATION:
APPLICANT: Nicholas M. Dean
APPLICANT: Lex M. Cowsert
APPLICANT: Lex M. Cowsert
TITLE OF INVENTION: ANTISENSE MODULATION OF DAXX EXPRESSION
FILE REFERENCE: RTS-0120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQ ID NO 43
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 0.7
Best Local Similarity 94.7
Matches 18; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 43, Application US/09433699B Patent No. 6165786
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: C. Frank Bennett
APPLICANT: Lex M. Cowsert
TITLE OF INVENTION: ANTIGENSE MODULATION OF NUCLEOLIN EXPRESSION
FILE REFERENCE: RTS-0109
CURRENT FAPPLICATION NUMBER: US/09/433,699B
CURRENT FILING DATE: 1999-11-03
RUMBER OF SEQ ID NOS: 89
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INFORMATION FOR SEQ ID NO:
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ATTORNEY/AGENT INFORMATION:
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LENGTH: 21 base pairs
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: SINGER SIN
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Pred. No. 11
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Best Local Similarity
Matches 18; Conserva
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APPLICANT: Lex M. Cowsert
TITLE OF INVENTION: ANTISENSE MODULATION OF NCK-2 EXPRESSION
PILE REFERENCE: RTS-0122
CURRENT APPLICATION NUMBER: US/09/444,053A
CURRENT FILLING DATE: 199-11-19
NUMBER OF SEQ ID NOS: 89
SEQ ID NO 54
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
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CURRENT FILING DATE: 2000-01-24
NUMBER OF SEQ ID NOS: 176
SEQ ID NO 153
TENGTH: 20
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ORGANISM: Artificial Sequence
FEATURE:
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                       COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: LEM PC compatible
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ADDRESSEE: Howson as
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                                                                                                                                                                                                             COUNTRY:
                                                                                                                                                                                                                                                CITY: Spring House
STATE: Pennsylvania
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LICANT: Krummenacher, Claude F.
LE OF INVENTION: Method and Compositions for Stabilizing
LE OF INVENTION: Unstable Gene Transcripts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1769 TGAGGAGGAGGCGGAG 1787
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                                                                                                                                                                                                                                                                                                                      E: Howson and Howson
Spring House Corporate Cntr., P.O. Box 457
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Wistar Institute of Anatomy, and
Fraser, Nigel W.
Zabolotny, Janice M.
Krummenacher, Claude F.
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PatentIn Release #1.0, Version #1.30
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Pred. No. 14;
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Pred. No. 18
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APPLICANT: University of Nebraska Board of Regents
TITLE OF INVENTION: Specific Mucin Expression as a Mari
TITLE OF INVENTION: For Pancreatic Cancer
FILE REFERENCE: UNNC 63155
CURRENT APPLICATION NUMBER: US/09/733,444
CURRENT FILING DATE: 2000-12-08
NUMBER OF SEQ ID NOS: 29
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 22
LENGTH: 18
TYPE: DNA
ORGANISM: Artificial Sequence
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Matches
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                                                                                               Query Match
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INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Batra, Surinder K.
APPLICANT: Brandt, Randall E.
APPLICANT: Ringel, J"erg
                                                                                                                                                  OTHER INFORMATION: Primer
                                                                                                                                                                  FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "probe/primer Exon
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REFERENCE/DOCKET NUMBER: WST78APCT
TELECOMMUNICATION INFORMATION:
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LENGTH: 21 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE: 18-APR-1997
ATTORNEY/AGENT INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER:
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                               894 CTGCAGCAGACAGCCCTG 911
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18; Conserv
                                                                                 Similarity
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                                                                                                                                                                                                                                                                                                                                                                                               Faulmann, Grit
L"hr, Matthias
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                                                                   Conservative
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                                                                               0.6%;
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90.0%; Pred. No. 2
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                                                                               Score 16.4;
Pred. No. 19
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                                                                    Mismatches
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                                                                                               Length: 18;
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US-09-780-173A-93; Sequence 93, Application US/09780173A; Patent No. 6455307

RESULT 19

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RESULT 20
US-09-490-692-155/c
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Best Local Similarity
Matches 17; Conserv
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TYPB: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
3-09-780-173A-93
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SEQ ID NO 93
                                            NUMBER OF SEQ ID NOS:
SEQ ID NO 173
LENGTH: 20
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GENERAL INFORMATION:
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Matches
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Patent No. 6551826
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CURRENT APPLICATION NUMBER: US/09/490,692
CURRENT FILING DATE: 2000-01-24
NUMBER OF SEQ ID NOS: 176
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APPLICANT: Jacqueline Wyatt
TITLE OF INVENTION: ANTISENSE MODULATION OF CASEIN KINASE 2-ALPHA PRIME EXPRESSION
FILE REFERENCE: RTS-0165
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Robert McKay
APPLICANT: Susan M. Fr
                                                                                                APPLICANT: Susan M. Freier
APPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF
FILE REFERENCE: RTS-0211
CURRENT APPLICATION NUMBER: US/09/705,267A
CURRENT FILING DATE: 2000-11-01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Nicholas M. Dean
APPLICANT: Lex M. Cowsert
TITLE OF INVENTION: ANTISENSE MODULATION OF DAXX EXPRESSION
FILE REFERENCE: RTS-0120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ORGANISM: Artificial Sequence FEATURE:
ORGANISM: Artificial Sequence FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: DNA
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LENGTH: 20
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16; Conservative
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Fred. No.
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Pred. No. 21;
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25;
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Best Local S
Matches 16
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LENGTH: 20
TYPE: DNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Susan M. Freier
APPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF RAIDD EXPRESSION
FILE REFERENCE: RTS-0211
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CURRENT APPLICATION NUMBER: US/09/705,267A
CURRENT FILING DATE: 2000-11-01
NUMBER OF SEQ ID NOS: 177
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APPLICATION NUMBER: US/08/152,313
FILING DATE: 12-NOV-1993
CLASSIFICATION: 435
ATTORNBY/AGENT INFORMATION:
NAME: Wetherell, Jr., Ph.D., John I
REGISTRATION NUMBER: 31,678
REFERENCE/DOCKET NUMBER: PD-2912
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Artificial Sequence FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    OTHER INFORMATION: Antisense Oligonucleotide
                                                                                                                           COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: PATENT: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0,
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                  TITLE OF INVENTION:
                                                                                                                                                                                                                                                                             ADDRESSEE: Spensley Horn Jubas & Lubitz
STREET: 1880 Century Park East, Suite 500
CITY: Los Angeles
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Local Similarity 100.0%; nes 16; Conservative 0;
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ANALYSIS OF SPUTUM
128
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.00.0%; Pred. No.
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                                               Ph.D., John R.,
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                                                                                                                                                  Version #1.25
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US-08-579-223-113/c
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Best Local Similarity 94.
                               Query Match
                                                                                                                                                                                TELEFAX: (619) 455-5110
INFORMATION FOR SEQ ID NO: 11
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        general information:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEFAX: (619) 455-5110 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                          ZIP: 90067
COMPUTER READABLE FORM:
MEDIUM TYPE; Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/579,223
FILING DATE: 28-DEC-1995
                                                                                                                                                                                                                                                                                                   FILING DATE: 12-NOV-1993
ATTORNEY/AGENT INFORMATION:
NAME: Wetherell, Jr., Ph.D., John
REGISTRATION NUMBER: 31,678
REFERENCE,DOCKET NUMBER: PD-2912
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MOLECULE TYPE: DNA (genomic)
                                                                                                                                                                                                                                                                      TELECOMMUNICATION INFORMATION: TELEPHONE: (619) 455-5100
                                                                                                                                                                                                                                                                                                                                                                                         CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/152,313
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Sidransky, David
TITLE OF INVENTION: NUCLEIC ACID MUTATION DETECTION BY
TITLE OF INVENTION: ANALYSIS OF SPUTUM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          JAMES TOPOLOGY.
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LENGTH: 17 base pairs
                                                                                                                                     MOLECULE TYPE: DNA (genomic)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQUENCES:
                                                                                                  NAME/KEY: CDS
                                                                                                                                                   STRANDEDNESS: single TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COUNTRY: UZIP: 90067
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADDRESSEE:
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LOCATION: 1..
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CITY: Los Angeles
                                                                                   LOCATION:
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1880 Century Park East, Suite 500
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0.6%; Score 15.4; I
94.1%; Pred. No. 20;
ative 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                          Ph.D., John R.,
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Pred. No. 20
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                                DB 1;
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; Patent No. 6686188
; SEQ ID NO 929
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-929
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TITIE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN
FILE REFERENCE: ABOMICA-7
CURRENT APPLICATION UNUBER: US/09/866,108A
CURRENT APPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR PILING DATE: 2000-05-26
PRIOR PILING DATE: 2000-05-26
PRIOR PILING DATE: 2000-09-27
PRIOR PILING DATE: 2000-09-27
PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
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US-09-866-108A-8659
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US-09-866-108A-929
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Matches
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GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
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5. 6686188
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I: JI, Yonggang
I: PENN, Sharron G.
I: HANZEL, David K.
I: RANK, David R.
I: CHEN, Wensheng
I: SHANNON, Mark
INVENTION: MYOSIN-LIKE GENE EXPRESSED
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RANK, David R.
CHEN, Wensheng
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94.1%; Pred. No. 2
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                HEART AND MUSCLE
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RESULT 27
PCT-US94-12947A-113/c
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US-09-866-108A-8659
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SEQ ID NO 8659
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Best Local Similarity
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PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR FILING DATE: 2000-09-27
PRIOR FILING DATE: 2000-09-27
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Remaining Prior Application data removed -
NUMBER OF SEQ ID NOS: 15755
ATTORNEY/AGENT INFORMATION:
NAME: Haile, Ph.D., Lisa A.
REGISTRATION NUMBER: P-38,347
REFERENCE/DOCKET NUMBER: FD-2912
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 455-5100
                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                   STREET: Los Angeles CITY: Los Angeles STATE: California
                                                                                                                                                                                                                SOFTWARE: PatentIn Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQUENCES: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          OR APPLICATION NUMBER: PCT/US01/00666
OR FILING DATE: 2001-01-30
OR APPLICATION NUMBER: PCT/US01/00667
OR APPLICATION NUMBER: PCT/US01/00664
OR APPLICATION NUMBER: PCT/US01/00664
OR APPLICATION NUMBER: PCT/US01/00669
OR FILING DATE: 2001-01-30
OR PTLING DATE: 2001-01-30
OR APPLICATION NUMBER: PCT/US01/00668
OR APPLICATION NUMBER: PCT/US01/00668
OR APPLICATION NUMBER: PCT/US01/00668
OR APPLICATION NUMBER: PCT/US01/00668
OR APPLICATION NUMBER: PCT/US01/00668
OR PILING DATE: 2001-01-30
OR PILING DATE: 2001-01-30
OR PILING DATE: 2001-01-30
                                                                                                                                                                                                                                                        MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                               APPLICATION NUMBER: FILING DATE: 10-NOV CLASSIFICATION:
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1880 Century Park East, Suite 500
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Pred. No. 20;
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RESULT 29
US-09-387-341-107/c
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                             APPLICANT: ROBERTS, M. Luisa
APPLICANT: COWSETT, Lex M.
APPLICANT: COWSETT, Lex M.
TITLE OF INVENTION: ARLISENSE MODULATION OF
TITLE OF INVENTION: Expression
FILS REFERENCE: ISPH-0404
CURRENT APPLICATION NUMBER: US/09/387,341
CURRENT FILING DATE: 1999-08-31
EARLIER APPLICATION NUMBER: 09/156,424
EARLIER FILING DATE: 1998-09-18
EARLIER FILING DATE: 1998-09-18
EARLIER APPLICATION NUMBER: 09/156,979
EARLIER APPLICATION NUMBER: 09/156,807
EARLIER APPLICATION NUMBER: 09/16,015
EARLIER FILING DATE: 1998-09-18
EARLIER FILING DATE: 1998-09-18
EARLIER FILING DATE: 1998-09-18
EARLIER FILING DATE: 1998-09-25
NUMBER: OF SEQ ID NOS: 233
NUMBER: OF SEQ ID NOS: 233
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PCT-US94-12947A-113
SOFTWARE:
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LENGTH: 18
                                                                                                                                                                                                                                                                                                                                               Sequence 107, Application US/09387341
Patent No. 6410323
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Patent No. 596267
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Best Local Similarity
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TITLE OF INVENTION: ANTISENSE MODULATION OF RhoB EXPRESSION
FILE REFERENCE: RTS-0013
CURRENT APPLICATION NUMBER: US/09/156,979
CURRENT FILING DATE: 1998-09-18
NUMBER OF SEQ ID NOS: 47
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: DNA
ORGANISM: Artificial Sequence
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                   PatentIn Ver.
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 Mismatches

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Pred. No. 2
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Pred. No. 30;
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US-09-387-341-107
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-08-584-040-5442
                                                                                                                  JS-08-584-040-5442
                                                                                                                                                   TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 5
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
LENGTH: nucleic acid
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
Matches 16; Conserv
                                              Query Match 0.6%;
Best Local Similarity 62.5%;
Matches 10; Conservative
                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: US/08/584,0
FILING DATE: January 11, 1996
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/005,974
FILING DATE: OCCODER 26, 1995
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Escobedo, J
TITLE OF INVENTION: ME
TITLE OF INVENTION: TR
TITLE OF INVENTION: CC
TITLE OF INVENTION: GF
TITLE OF INVENTION: GF
TITLE OF INVENTION: GF
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 218/064
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       OPERATING SYSTEM: IBM P.C. DOS 5.0 SOFTWARE: WORD Perfect 5.1 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORRESPONDENCE ADDRESS
                                                                                                                           STRANDEDNESS: 811
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COUNTRY: U.S.A. ZIP: 90071-2066
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CITY: Los Angeles
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1301 CATGGTCATCTGTGAG 1316
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o. 6346398
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Suite 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             633 West Fifth Street
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tinchcomb, Dan T
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1. METHOD AND REAGENT FOR THE

1. TREATMENT OF DISEASES OR

1. CONDITIONS RELATED TO LEVELS

1. OF VASCULAR ENDOTHELIAL

1. GROWTH FACTOR
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                                              Score 14.4; DI
Pred. No. 30;
5; Mismatches
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Pred. No. 3
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                                                  Indels
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                                                                                                                                                       TYPE: RNA
ORGANISM: Homo sapiens
US-09-474-432B-669
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Patent No. 6426221
GENERAL INFORMATION:
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SEQ ID NO 4
LENGTH: 17
TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                            Query Match
Best Local :
                                                                                                                                                                                                                                     SEQ ID NO 669
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                                                                                                                                                                                                                                                                                APPLICANT: Admic, Jasenka
APPLICANT: Sweedler, David
APPLICANT: Sweedler, David
APPLICANT: Sweedler, David
APPLICANT: Sweedler, David
APPLICANT: Sinen, Shawn
TITLE OF INVENTION: Nuclectide triphosphate and their incorporation into oligonucleoti
FILE REFERENCE: MBHB00-831-B (247/276)
CURRENT APPLICATION NUMBER: US 60/644,432B
CURRENT FILING DATE: 1999-12-19
FRIOR APPLICATION NUMBER: US 60/064,866
PRIOR FILING DATE: 1997-11-05
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: US 09/186,675
PRIOR FILING DATE: 1998-11-04
PRIOR APPLICATION NUMBER: US 09/186,675
PRIOR FILING DATE: 1998-11-04
PRIOR APPLICATION NUMBER: US 09/301,511
PRIOR FILING DATE: 1999-04-28
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                                                                                                                                                                                                                                                          NUMBER OF SEQ ID NOS: 1526
SOFTWARE: PatentIn version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CURRENT APPLICATION NUMBER: US/09/920,663
CURRENT FILING DATE: 2001-08-01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Donna T. Ward
APPLICANT: Lex M. Cowsert
TITLE OF INVENTION: ANTISENSE MODULATION OF RIP2 EXPRESSION
FILE REFERENCE: RTS-0233
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Beigelman, Leo
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                                  1266 CTGGAAGAGGCTGAGG 1281
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                                                                                            Similarity
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Adamic, Jasenka
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Beaudry, Amb
                                                                           Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Amber
                                                                                            0.6%; Score 14.4;
93.8%; Pred. No. 30;
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93.8%; Pred. No. 3
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                                                                                                                DB 1;
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                                                                                                                  Length 17;
                                                                             Indels
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RESULT 34
US-09-476-387-668/c
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; ORGANISM: Mus sp.
US-09-371-772B-2336
                                                                                 ; ORGANISM: Homo sapiens
US-09-476-387-668
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-09-371-772B-2336
                                                                                                                                                                                                                                 FILE REFERENCE: MBHB00-831-C (249/073)
CURRENT APPLICATION NUMBER: US/09/476,387
CURRENT FILING DATE: 2001-04-04
PRIOR APPLICATION NUMBER: 09/474,432
PRIOR FILING DATE: 1999-12-29
PRIOR PELICATION NUMBER: 09/301,511
PRIOR FILING DATE: 1999-04-28
PRIOR APPLICATION NUMBER: 09/186,675
PRIOR APPLICATION NUMBER: 09/186,675
PRIOR APPLICATION NUMBER: 60/083,727
PRIOR APPLICATION NUMBER: 60/083,727
PRIOR APPLICATION NUMBER: 60/064,866
PRIOR FILING DATE: 1998-11-05
PRIOR APPLICATION NUMBER: 60/064,866
PRIOR FILING DATE: 1997-11-05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SOFTWARE: PatentIn version 3.0 SEQ ID NO 2336 LENGTH: 17
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Query Match
Best Local Similarity
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Best Local Similarity
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APPLICANT: McSwiggen, Jim
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Scinchcomb, Dan
APPLICANT: Escobedo, Jaime
APPLICANT: Escobedo, Jaime
APPLICANT: Escobedo, Jaime
APPLICANT: Escobedo, Jaime
APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions!
FILE REFERENCE: MBHB00,876-J (237/198)
CURRENT FILING DATE: 1996-0-J (237/198)
CURRENT FILING DATE: 1996-01-08
PRIOR APPLICATION NUMBER: US 60/005,974
PRIOR APPLICATION NUMBER: US 08/584,040
PRIOR FILING DATE: 1996-01-08
RUMBER OF SEQ ID NOS: 14225
COMMUNER OF SEQ ID NOS: 14225
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Ribozyme Pharmaceuticals, Inc. APPLICANT: Pavco, Pam
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Ribozyme Pharmaceuticals, Inc
APPLICANT: Beigelman, Leo
APPLICANT: Beaudry, Amber
APPLICANT: Karpeisky, Alex
                                                                                                                                                                SOFTWARE: PatentIn version 3.0 EQ ID NO 668 LENGTH: 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Sweedler, Dave
APPLICANT: Zinnen, Shawn
TITLE OF INVENTION: National Control of their Incorporation into Oligonucleot
                                                                                                                                    TYPE: RNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ENGTH:
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  93.8%;
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     Score 14.4;
Pred. No. 30;
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Pred. No. 3
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APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng

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Sequence 930, Application US/09866108A Patent No. 6686188

INFORMATION:

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; TYPE: DNA; ORGANISM: Homo sapiens US-09-866-108A-928
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                                                                                                                                                                Query Match
Best Local Similarity
Matches 15; Conserv
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SEQ ID NO 928
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PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR FILING DATE: 2001-01-30
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PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR FILING DATE: 2001-01-30
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PRIOR FILING DATE: 2000-10-04
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APPLICANT: SHANNON, Mark
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED
09-866-108A-930
                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE: Aeomica Sequence Listing Engine
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APPLICANT: JI, Yongga
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FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00669
FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00665
FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00665
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CHEN, Wensheng
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HANZEL, David K.
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APPLICANT: SHANNON, MARK
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: ABOMICA-7
CURRENT APPLICATION NUMBER: US/09/866,108A
CURRENT FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR PILING DATE: 2000-05-26
PRIOR PILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 60/2036,359
PRIOR FILING DATE: 2000-09-27
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: US 60/20666
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR PILING DATE: 2001-01-30
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NUMBER OF SEQ ID NOS: 15755
SOFTWARE: Acomica Sequence Li:
Patent No. 6686188
SEQ ID NO 930
LENGTH: 17
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TYPE: DNA
GRIGANISM: Homo sapiens
US-09-866-108A-930
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Best Local
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PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
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PRIOR APPLICATION NUMBER: PCT/US01/00664
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CUTRENT APPLICATION NUMBER: US/09/866,108A
CUTRENT FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
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PRIOR FILING DATE: 2001-01-30
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APPLICATION NUMBER: PCT/US01/00669
FILING DATE: 2001-01-30
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LING DATE: 2001-01-30
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CATION NUMBER: PCT/US01/00663
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RANK, David R.
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L, David K.
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NUMBER: PCT/US01/00669
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; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-2618
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PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR PELICATION NUMBER: PCT/US01/00664
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR FILING DATE: 2001-01-30
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NUMBER OF SEQ ID NOS: 15755
SOFTWARE: Acomica Sequence Listing Engine
Patent No. 6686188
SEQ ID NO 2617
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APPLICANT:
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CURRENT FILING DATE: 2001-05-25
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TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN
FILE REFERENCE: AEOMICA-7
                                                                                                                              NUMBER OF SEQ ID NOS: 15755
SOFTWARE: Aeomica Sequence Listing
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PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
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PRIOR PPLING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR FILING DATE: 2001-01-30
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Similarity 93.8%; Pred. No. 3
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SEQ ID NO 6391
                                                                                           Sequence 6392, Application US/09866108A Patent No. 6686188
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Best Local
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PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
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                                             ENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggar
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TYPE: DNA
ORGANISM: Homo sapiens
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es 15; Conserv
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FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00667
FILING DATE: 2001-01-30
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FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00665
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o. 6686188
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INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
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JI, Yonggang
PENN, Sharron G.
Pavid K.
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JI, Yonggang
PENN, Sharron G
HANZEL, David K
RANK, David R.
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Pred. No. 30;
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US-09-866-108A-8658
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SEQ_ID NO 6392
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PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
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                                                                                                                                                                                                                                                                                                                                                                                                                                           SOFTWARE: Aeomica Sequence Listing Engine
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Remaining Prior Application data removed NUMBER OF SEQ ID NOS: 15755
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                                                                                                                                                                                                                                                                                                                                          LENGTH: 17
TYPE: DNA
ORGANISM: Homo sapiens
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TLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
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FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00665
FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00668
FILING DATE: 2001-01-30
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FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00667
FILING DATE: 2001-01-30
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                                                     8658, Application US/09866108A
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US-09-866-108A-8658

// Sequence 8658, Application US/09866108A

// Patent No. 6686188

// APPLICANT: JUFORMATION:

APPLICANT: JUFORMATION:

APPLICANT: GU, Yizhong

APPLICANT: HANZEL, David K.

APPLICANT: HANZEL, David K.

APPLICANT: SHANNON, MAIX

// APPLICANT: SHANNON, MAIX

// TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE

FILE REFERENCE: AEOMICA-7

CURRENT APPLICATION NUMBER: US 60/207,456

PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR FILING DATE: 2000-05-26

PRIOR FILING DATE: 2000-05-26

PRIOR APPLICATION NUMBER: B24263.6

PRIOR APPLICATION NUMBER: US 60/236,359

PRIOR APPLICATION NUMBER: BC1/236,359

PRIOR APPLICATION NUMBER: PCT/US01/00666

PRIOR PRILING DATE: 2001-01-30

PRIOR PPLICATION NUMBER: PCT/US01/00667

PRIOR APPLICATION NUMBER: PCT/US01/00667

PRIOR APPLICATION NUMBER: PCT/US01/00664

PRIOR PILING DATE: 2001-01-30

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; ORGANISM: Homo sapiens
US-09-866-108A-8658
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Best Local Similarity 93.8%;
Matches 15; Conservative
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SEQ ID NO 8658
                                                                                       SEQ ID NO 8660
LENGTH: 17
TYPE: DNA
ORGANISM: Homo sapiens
-09-866-108A-8660
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atent No. 6686188
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FILE REFERENCE: ASONICA-7
CURRENT APPLICATION NUMBER: US/09/866,108A
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                                                                                                                               SOFTWARE: Aeomica
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PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
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PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: GB 24263.6
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OR FILING DATE: 2001-01-30
OR APPLICATION NUMBER: PCT/US01/00667
OR FILING DATE: 2001-01-30
OR APPLICATION NUMBER: PCT/US01/00664
OR FILING DATE: 2001-01-30
OR APPLICATION NUMBER: PCT/US01/00669
OR APPLICATION NUMBER: PCT/US01/00669
OR APPLICATION NUMBER: PCT/US01/00665
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FILLING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00668
FILLING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00663
FILLING DATE: 2001-01-30
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APPLICATION NUMBER: PCT/US01/00668
FILING DATE: 2001-01-30
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F: SHANNON, Mark
INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
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CURRENT APPLICATION UNBER: US/09/255,912
CURRENT FILING DATE: 1999-02-23
NUMBER OF SEQ ID NOS: 47
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Best Local Similarity
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                                                                                                                                                                                                                                                                                     CURRENT APPLICATION NUMBER: US/09/866,108A CURRENT FILING DATE: 2001-05-25 PRIOR APPLICATION NUMBER: US 60/207,456 PRIOR FILING DATE: 2000-05-26
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TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
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ITLB OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
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                                                                                                   OR APPLICATION NUMBER: GB 24263.6
OR FILING DATE: 2000-10-04
OR APPLICATION NUMBER: US 60/236,359
OR FILING DATE: 2000-09-27
OR APPLICATION NUMBER: PCT/US01/00666
OR FILING DATE: 2001-01-30
OR APPLICATION NUMBER: PCT/US01/00667
OR APPLICATION NUMBER: PCT/US01/00667
OR APPLICATION NUMBER: PCT/US01/00664
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FILING DATE: 2001-01-30
                                                    APPLICATION NUMBER: PCT/US01/00665
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NG DATE: 2001-01-30
ICATION NUMBER: PCT/US01/00668
NG DATE: 2001-01-30
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93.8%; Pred. No. 3
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EQ ID NO 2615
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Remaining Prior Application data removed -
NUMBER OF SEQ ID NOS: 15755
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                                                                                                                                                                                                                                           Remaining Prior Application data removed -
NUMBER OF SEQ ID NOS: 15755
                                                                                                                                                                                                                             SOFTWARE: Aeomica Sequence Listing Engine
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ORGANISM: Homo sapiens
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                                                                                                                                             TYPE: DNA
ORGANISM: Homo sapiens
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FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00663
FILING DATE: 2001-01-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: US 60/236,359
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: GB 24263.6
                                                                                                                                                                                                                                                                                                                                              FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00665
FILING DATE: 2001-01-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: PCT/US01/00667
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1840 TCTCAGAGAGCGAG 1853
                                 1840 TCTCAGAGAGCGAG 1853
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3. 6686188
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         T: SHANNON, Mark
INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
                                                                                                                                                                                                             6686188
                                                                                  Similarity
                                                                                                                                                                                                                                                                                                                                                                                          IG DATE: 2001-01-30
CATION NUMBER: PCT/US01/00669
                                                                                                                                                                                                                                                                                                                                                                                                                          CATION NUMBER: PCT/US01/00664
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CATION NUMBER: PCT/US01/00666
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         HANZEL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CATION NUMBER: US/09/866,108A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Conservative
                                                                Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DATE: 2001-05-25
ION NUMBER: US 60/207,456
ATE: 2000-05-26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Wensheng
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L, David K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           David R.
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                                                                                0.6%; Score 14;
100.0%; Pred. No.
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                                                                ore 14; DB 1;
pred. No. 35;
Mismatches
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                                                                                               Length 17;
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RESULT 46
US-08-373-124A-178/c
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                                                                                                                                             INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base TYPE-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 178,
                                                  Matches
                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: Storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE: January 13, 1995
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                      SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                        TELEPHONE: (213) 489-1600
                                                                                                                                                                                                                                                                                         FILING DATE: August 26, 1992 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                         TELEPHONE: (213)
                                                                                                                                            LENGTH: 17 base pairs
TYPE: nucleic acid
                                                               Local
                                                                                                                               STRANDEDNESS:
                                                                                                                     TOPOLOGY:
                                                                                                                                                                                                                                                      REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                              FILING DATE: Februa
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                       FILING DATE: May 18, 1994
APPLICATION NUMBER: 08/192,943
                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER:
                                                                                                                                                                                                                                                                NAME: Warburg, Riche REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER:
                         1774 AGGAGGAGGCGGAGGAG 1790
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              INFORMATION:
  17
                                                  l Similarity
15; Conserv
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California
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5646042
  AGGAGAAGGAGGAGGAG 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Suite 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  633 West Fifth Street
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                                                    Conservative
                                                                                                                  bs: single
linear
                                                                                                                                                                                                                                                                                                                                                            February
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                                                                                                                                                                                                              955-0440
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                                                                 88.2%;
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CANCER USING
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                                                  0;
                                                                                                                                                                                                                                                      209/035
                                                                           Score 13.8;
                                                    Pred. No. 38;
); Mismatches
                                                                             DB 1;
                                                     2
                                                                            Length 17;
                                                     Indels
                                                     0
                                                     Gaps
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US-08-373-124A-180/c , Sequence 180, Application US/08373124A

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Patent No. 5646042
GENERAL INFORMATION:

APPLICANT:

Stinchcomb, Dan T. Draper, Kenneth

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RESULT 48
US-08-373-124A-182/c
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TELEPHONE: (213) 489-1600
TELEPAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 180:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
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                                                                                                                              APPLICANT: Stinchcomb, Dan T.
APPLICANT: Draper, Kenneth
APPLICANT: McSwiggen, James
APPLICANT: Jarvis, Thale
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR
TITLE OF INVENTION: TREATMENT OF RESTENOSIS AND
TITLE OF INVENTION: CANCER USING RIBOZYMES
NUMBER OF SEQUENCES: 2627
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   tent No.
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        OPERATING SYSTEM: IBM P.C. DOS 5.0 SOFTWARE: Word Perfect 5.1 CURRENT APPLICATION DATA:
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MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
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APPLICANT: Jarvis, Thale
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR
TITLE OF INVENTION: TREATMENT OF RESTENOSIS AND
TITLE OF INVENTION: CANCER USING RIBOZYMES
NUMBER OF SEQUENCES: 2627
CORRESPONDENCE ADDRESS:
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STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1774 AGGAGGAGGCGAGGAG 1790
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5. 5646042
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US-08-373-124A-184/c
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INFORMATION FOR SEQ ID NO: 1
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 184, Application US/08373124A Patent No. 5646042
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Matches
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FILING DATE: January 13, 1995
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: 08/245,466
FILING DATE: May 18, 1994
APPLICATION NUMBER: 08/192,943
FILING DATE: February 7, 1994
APPLICATION NUMBER: 07/987,132
FILING DATE: December 7, 1992
APPLICATION NUMBER: 07/986,422
APPLICATION NUMBER: 07/936,422
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
APPLICANT: Stinchcomb, Dan
APPLICANT: Draper, Kenneth
                                                                                                                                                                   STREET: Suite 4700
CITY: Los Angeles
STATE: California
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette,
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           REFERENCE/DOCKET NUMBER: 200
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEPHX: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER: IBM Compatible OPERATING SYSTEM: IBM P.C. SOFTWARE: Word Perfect 5.1 CURRENT APPLICATION DATA:
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MEDIUM TYPE: 3.5" Diskette,
MEDIUM TYPE: storage
                                                                                                                                                                                                                                                                                                                                                             TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TITLE OF INVENTION: TREATMENT OF RESTENOSIS AND TITLE OF INVENTION: CANCER USING RIBOZYMES NUMBER OF SEQUENCES: 2627
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME: Warburg, Richard
REGISTRATION NUMBER: 32,327
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Local
                                                                                                                                               COUNTRY: U.S.A.
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Similarity 88.2%; Pred. No. 3
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Jarvis, Thale
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US-08-261-822A-30/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:

GENERAL INFORMATION:

APPLICANT: Ecker, Joseph R. et al.

APPLICANT: Plant Genes for Sensitivity to Ethylene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE: May 18, 1994
APPLICATION NUMBER: 08/192,943
FILING DATE: February 7, 1994
APPLICATION NUMBER: 07/987,132
FILING DATE: December 7, 1992
APPLICATION NUMBER: 07/936,422
FILING DATE: August 26, 1992
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME: Warburg, Richard
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 209/
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
ATTORNEY/AGENT INFORMATION:
NAME: Beardell, Lori Y.
REGISTRATION NUMBER: 34,293
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 568-3100
TELEPAX: (215) 568-3439
                                                                                                                SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/261,822A
FILLING DATE: 17-JUN-1994
CLASSIFICATION: 536
CUARSIFICATION: 536
                                                                                                                                                                                                                COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IEM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE: January 13, 1995,

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/245,466

FILING DATE: May 18, 1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           OPERATING SYSTEM: IBM P.C. SOFTWARE: Word Perfect 5.1 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQUENCES: 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEFAX: (210 METEX: 67-3510
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Local Similarity
nes 15; Conserv
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                                                                                                                                                                                                                                                                                                COUNTRY: U
                                                                                                                                                                                                                                                                                                                                                        STREET: One Libert
CITY: Philadelphia
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USA
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88.2%; Pred. No. 38;
ative 0; Mismatches
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          TELEPAX: (21),
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
PENGTH: 17 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-08-435-628-178/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                             APPLICATION NUMBER: 08/245,466
FILING DATE: May 18,1994
APPLICATION NUMBER: 08/192,943
FILING DATE: February 7, 1994
APPLICATION NUMBER: 07/987,132
FILING DATE: December 7, 1992
APPLICATION NUMBER: 07/936,422
PILING DATE: August 26, 1992
APTIORNEY/AGENT INFORMATION:
                                                                                                               NAME: Warburg, Richard
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 20
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
                                                                                                                                                                                                                                                                                                                                                                                        CLASSIFICATION: 514
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CORRESPONDENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TITILE OF INVENTION: TREATMENT OF RESTENOSIS AND TITILE OF INVENTION: CANCER USING RIBOZYMES NUMBER OF SEQUENCES: 2627
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER: IBM CON OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Local Similarity 88.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MEDIUM TYPE: 3.5" Diskette, 1.44 Mb MEDIUM TYPE: storage
                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE:
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STRANDEDNESS:
                                                                                   ELEPHONE: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER:
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: California
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5817796
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633 West Fifth Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 U.S.A.
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Draper, Kenneth
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JMBER: 08/245,466
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Y 13, 1995
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                                                                                                                                                       209/035
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Pred. No. 3
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US-08-435-628-180/c
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Query Match
Query Match
Best Local Similarity 88.2%; Pred. No. 38;
Matches 15; Conservative 0; Mismatches
                                                                                                       TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 1
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
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Best Local
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                                                                                                                                                                                                                                                  FILING DATE: January 13, 1995
APPLICATION NUMBER: 08/245,466
FILLING DATE: May 18, 1994
APPLICATION NUMBER: 08/192,943
FILING DATE: PEDFUARY 7, 1994
APPLICATION NUMBER: 07/987,132
FILING DATE: December 7, 1992
APPLICATION NUMBER: 07/936,422
APPLICATION NUMBER: 07/936,422
APPLICATION NUMBER: 07/936,422
APPLICATION NUMBER: 26, 1992
APPLICATION NUMBER: 32,327
REGISTRATION NUMBER: 32,327
REGISTRATION NUMBER: 32,327
REGISTRATION NUMBER: 209/035
TELECOMMUNICATION INFORMATION:
TELEPAX: (213) 489-1600
TELEPAX: (213) 489-1600
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: Storage
COMPUTER: IBM Compatible
COMPUTER: IBM Compatible
COMPUTER: IBM COMPATIBLE
COMPUTER: WORD PERFECT 5.1
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/373,124
FILING DATE: January 13, 1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TITLE OF INVENTION: TREATMENT OF RESTENOSIS AND TITLE OF INVENTION: CANCER USING RIBOZYMES NUMBER OF SEQUENCES: 2627
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: US/08/435,628 FILING DATE: 05-MAY-1995 CLASSIFICATION: 514
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STREET: Suite 4700
CITY: Los Angeles
STATE: California
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5817796
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633 West Fifth Street
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McSwiggen, James
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88.2%; Pred. No. 3
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                                         DB 1; Length 17;
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                                                                                                                                         US-08-435-628-182
                                                                                                                                                                                        INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
                                                                                       Query Match
Best Local :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence
                                                                     Matches
                                                                                                                                                                                                                                                                                                                                       FILING DATE: May 18, 194
APPLICATION NUMBER: 08/192,943
APPLICATION NUMBER: 07/987,132
FILING DATE: Pebruary 7, 1994
APPLICATION NUMBER: 07/987,132
APPLICATION NUMBER: 07/936,422
APPLICATION NUMBER: 07/936,422
APPLICATION NUMBER: 07/936,422
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 209/035
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: Storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: US/08/435,628
FILING DATE: 05-MAY-1995
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/373,124
FILING DATE: January 13, 1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        OPERATING SYSTEM: IBM P.C. SOFTWARE: Word Perfect 5.1 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                        TELECOMMUNICATION INFORMATION: TELEPHONE: (213) 489-1600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NUMBER OF SEQUENCES: 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: McSwiggen, James
APPLICANT: Jarvis, Thale
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR
TITLE OF INVENTION: TRAIMENT OF RESTENOSIS AND
TITLE OF INVENTION: CANCER USING RIBOZYMES
                                                                                                                                                                          TYPE: nucleic
STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: 08/245,466
FILING DATE: May 18, 1000
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CITY: Los Angeles
STATE: California
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ZIP: 9007:
                                                                                                                                                             TOPOLOGY:
                                                                                                                                                                                                                                                                                         TELEFAX:
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17 GAGGAGGAGGAGGA 1
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                                                                       15;
                                                                                         Similarity
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633 West Fifth Street
                                                                                                                                                                                                                                                                                         (213) 955-0440
                                                                     Conservative
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                                                                                                                                                               linear
                                                                                                                                                                            single
                                                                     Score 13.8; D
Pred. No. 38;
0; Mismatches
                                                                                                          DB 1;
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                                                                                                        Length 17;
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US-08-435-628-184/c

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                                                                     Sequence 28, Application US/08613417A Patent.No. 5874553 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                  uery match 0.5%;
Best Local Similarity 88.2%;
Matches 15; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: 08/192,943
FILING DATE: February 7, 1994
APPLICATION NUMBER: 07/987,132
FILING DATE: December 7, 1992
APPLICATION NUMBER: 07/936,422
FILING DATE: August 26, 1992
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEX: 67-3510 INFORMATION FOR SEQ ID NO:
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APPLICANT: McSwiggen, James
APPLICANT: Jarvis, Thale
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LENGTH: 17 base pairs
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MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME: Warburg, Richard REGISTRATION NUMBER: 32,327 REFERENCE/DOCKET NUMBER: 20: TELECOMMUNICATION INFORMATION: TELEPHONE: (213) 489-1600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CLASSIFICATION: 514
PRIOR APPLICATION DATA:
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OPERATING SYSTEM: IBM PC.
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
FITLE OF INVENTION:
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APPLICATION NUMBER: 08/245,466
FILING DATE: May 18, 1994
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STREET: 633 West Fifth Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER:
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NUMBER: 7,1994
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   Phosphonomonoester nucleic acids
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Pred. No. 3
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PILING DATE:
CLASSIFICATION: 514
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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Best Local Similarity
Matches 15; Conserv
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INFORMATION FOR SEQ ID NO:
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                                                                                                                                                                                                                APPLICATION NUMBER: DE 195 02 912.7
FILING DATE: 31-JAN-1995
ATTORNEY/AGENT INFORMATION:
NAME: SANDERCOCK, Colin G.
REGISTRATION NUMBER: 31,298
REFERENCE/DOCKET NUMBER: 18748/264/HOCE
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202)672-5300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/594,452 FILING DATE: 31-JAN-1996 CLASSIFICATION: 536 PRIOR APPLICATION DATA: PRIOR APPLICATION DATA
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COMPUTER READABLE FORM:
MEDIUM TYPE: FIDPPY disk
COMPUTER: ISM PC compatible
COMPUTER: ISM PC COMPATIBLE
COMPUTER: PC-DOS/MS-DOS
COMPATING SYSTEM: PC-DOS/MS-DOS
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COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0. Version #1.25
CURRENT APPLICATION DATA;
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
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LOCATION:
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3000 K Street, N.W., Suite 500
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UHLMANN, Eugen
UVENTION: G CAP-STABILIZED OLIGONUCLEOTIDES
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Pred. No. 3
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; TOPOLOGY: lir
US-08-594-452-28
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US-09-196-132-28
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US-09-258-408-28
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                             Sequence 28, Application US/09196132 Patent No. 6127346 GENERAL INFORMATION:
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Best Local
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Best Local Similarity 88.2
Matches 15; Conservative
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                                                                                                                                                                                                                                                                                                            INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
SEQUENCE TYPE: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/258,408
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                         REGISTRATION NUMBER: 31,298
REFERENCE/DOCKET NUMBER: 18748/264/HOCE
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202)672-5300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CORRESPONDENCE ADDRESS:
ADDRESSEE: Foley & Lardner
STREET: 3000 K Street, N.W., Suite 500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ATTORNEY/AGENT INFORMATION: NAME: SANDERCOCK, COlin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: PEYMAN, Anuschirwan
APPLICANT: UHLMANN, Eugen
TITLE OF INVENTION: G CAP-STABILIZED OLIGONUCLEOTIDES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   JUMBER OF SEQUENCES:
ITLE OF INVENTION:
                                                                                                                                                                                                        0.5%;
Local Similarity 88.2%;
es 15; Conservarion
                                                                                                                                                                                                                                                                                                                                                                                                             TELEFAX:
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                                                                                                                                                                                                                                                                                                                                                                                                 TELEPHONE: (202) 672-5399
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                                                                                                                                                                               1775 GGAGGAGGCGGAGGAGG 1791
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Phosphonomonoester nucleic acids,
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Pred. No. 38;
                                                                                                                                                                                                                               Score 13.8;
Pred. No. 3
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                           COMPUTER: IBM COMPATIBLE
OPERATING SYSTEM: IBM P.C. D
SOFTWARE: WORD PERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/58
FILING DATE: January 11, 199
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                      APPLICANT: Escobedo, TITLE OF INVENTION: TITLE OF INVENTION: TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION: process for their preparation, and their use NUMBER OF SEQUENCES: 33
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0. Version #1.25 (EPC)
CURRENT APPLICATION NUMBER: US/09/196,132
                                                                                                                COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette,
MEDIUM TYPE: storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CLASSIFICATION:
PRIOR APPLICATION NUMBER:
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
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NAME/KEY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TOPOLOGY: 1
                                                                                                                                                                                                                                                           NUMBER OF SEQUENCES: 8
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                                                                                                                                                                                                                                                                                         TLE OF INVENTION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LOCATION:
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5. 6346398
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                                                                                                                                                                                                     Los Angeles
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                                                                                                                                                                                      California
                                                                                                                                                                                                                EE: Lyon & Lyon
633 West Fifth Street
Suite 4700
                                                                                                                                                                                                                                                                                                                                            McSwiggen, James
Stinchcomb, Dan T.
Escobedo, Jaine
Escobedo, Jaine
ENTERD AND REAGENT FOR THE
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                          UMBER: US/08/584,040
January 11, 1996
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OF VASCULAR ENDOTHELIAL
GROWTH FACTOR
                                                                                                                                                                                                                                                                                                                                    TREATMENT OF DISEASES
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0; Mismatches
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                                                                                      DOS 5.0
                                                                                                                                 1.44 Mb
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APPLICATION NUMBER: 60/005,974
FILING DATE: October 26, 1995
TTORNEY/AGENT INFORMATION:

Warburg, Richard J

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RESULT 60
US-08-584-040-5441
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Best Local Similarity 58.8
----- 10; Conservative
                                                                                           COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: Storage
COMPUTER: IBM Compatible
COMPUTER: IBM Compatible
COMPUTER: IBM Compatible
COMPUTER: IBM COMPATIBLE
COMPUTER: IBM P.C. DOS 5.0
SOFTWARE: WOR'D FEFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/584,040
FILING DATE: January 11, 1996
CLASSIFICATION DATA:
APPLICATION NUMBER: 60/005,974
FILING DATE: October 26, 1995
ATTORNEY/AGENT INFORMATION:
NAME: WALDURG, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 218/064
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 648-1600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           INFORMATION FOR SEQ ID NO:
TELEX: 67-3510
TRELEX: 67-3510
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION:
TITLE OF INVENTION:
TITLE OF INVENTION:
TITLE OF INVENTION:
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LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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REFERENCE/DOCKET NUMBER: 218/064
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: LOS Page 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEPHONE: (213) 955-0440
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COUNTRY: U.S.A. ZIP: 90071-2066
                                                                                 TELEPHONE: (213) 489-16
TELEFAX: (213) 955-0440
                                                                               TELEFAX:
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: California
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: Stinchcomb, Dan T.
: Escobedo, Jaine
: Escobedo, Jaine
: INVENTION: METHOD AND REAGENT FOR THE
INVENTION: TREATMENT OF DISEASES OR
INVENTION: CONDITIONS RELATED TO LEVELS
INVENTION: OF VASCULAR ENDOTHELIAL
INVENTION: OF VASCULAR ENDOTHELIAL
INVENTION: GROWTH FACTOR
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Pred. No. 38;
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APPLICANT: Sweequer,
APPLICANT: Sinnen, Shawn
TITLE OF INVENTION: Nucleotide triphosphate ar
FILE REFERENCE: MBHB00-831-B (247/276)
CURRENT APPLICATION NUMBER: US/09/474,432B
CURRENT FILING DATE: 1999-12-19
PRIOR APPLICATION NUMBER: US 60/064,866
PRIOR FILING DATE: 1997-11-05
PRIOR APPLICATION NUMBER: US 60/084,727
PRIOR APPLICATION NUMBER: US 09/186,675
PRIOR APPLICATION NUMBER: US 09/186,675
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: US 09/301,511
PRIOR APPLICATION NUMBER: US 09/301,511
PRIOR APPLICATION NUMBER: US 09/301,511
PRIOR APPLICATION NUMBER: US 09/301,511
PRIOR APPLICATION NUMBER: US 09/301,511
PRIOR APPLICATION NUMBER: US 09/301,511
PRIOR APPLICATION NUMBER: US 09/301,511
PRIOR APPLICATION NUMBER: US 09/301,511
PRIOR PILING DATE: 1999-04-28
NUMBER OF SEQ ID NOS: 1526
SOFTWARE: PatentIn version 3.0
SEQ ID NOS: 1526
LENGTH: 17
TYDER: RNA
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Matches 10; Conserv
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APPLICANT: Pavo, Pam
APPLICANT: McSwiggen, Jim
APPLICANT: McSwiggen, Jam
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Secobedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Con
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
FILE REPERENCE: MBHB00,876-J (237/198)
FILE REPERENCE: MBHB00,876-J (237/198)
CURRENT FILING DATE: 1999-08-10
PRIOR APPLICATION NUMBER: US 60/005,974
PRIOR APPLICATION NUMBER: US 60/005,974
PRIOR APPLICATION NUMBER: US 60/005,974
PRIOR APPLICATION NUMBER: US 08/584,040
                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                       APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Pavco, Pam
APPLICANT: McSwiggen, Jim
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15; Conserv
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Adamic, Jasenka
Sweedler, David
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88.2%; Pred. No. 38;
tive 0; Mismatches
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247/276)
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PRIOR FILING DATE: 1999-12-29
PRIOR APPLICATION NUMBER: 09/301,511
PRIOR FILING DATE: 1999-04-28
PRIOR APPLICATION NUMBER: 09/186,675
PRIOR FILING DATE: 1998-11-04
PRIOR FILING DATE: 1998-11-04
PRIOR FILING DATE: 1998-04-29
PRIOR FILING DATE: 1998-04-29
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Best Local
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Best Local Similarity
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-09-476-387-667
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SOFTWARE: PATENTIN version 3.0
EQ ID NO 1607
LENGTH: 17
                                                                                                                                                                                 09-866-108A-927
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR FILING DATE: 1997-11-05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION NUMBER: 60/064,866
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RPPLICANT: Zinnen, Shawn
TITIE OF INVENTION: Nucleotide Triphosphate and their Incorporation into Oligonucleot
FILE REFERENCE: MBHB00-831-C (249/073)
CURRENT APPLICATION NUMBER: US/09/476,387
CURRENT FILING DATE: 2001-04-04
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                                                                                APPLICANT:
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15; Conserv
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INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
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Beaudry, Amber
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                                                            Yonggang
NN, Sharron G.
NZEL, David K.
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              Wensheng
                                                  David R.
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Pred. No. 38;
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Pred. No. 3
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                                                       CURRENT APPLICATION NUMBER: US/09/866,108A
CURRENT FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR PILING DATE: 2000-10-04
PRIOR PILING DATE: 2000-10-04
PRIOR PILING DATE: 2000-10-04
PRIOR PILING DATE: 2000-99-27
PRIOR PILING DATE: 2000-05-27
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
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SEQ ID NO 927
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Best Local Similarity
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PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Remaining Prior Application data removed - See File Wrapper or PALM
NUMBER OF SEQ ID NOS: 15755
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION NUMBER: PCT/US01/00663 PRIOR FILING DATE: 2001-01-30
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ITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
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FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/USO1/00668
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APPLICATION NUMBER: PCT/US01/00664
FILING DATE: 2001-01-30
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FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00667
FILING DATE: 2001-01-30
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FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00665
FILING DATE: 2001-01-30
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                                        APPLICATION NUMBER: PCT/US01/00669
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PCT/US01/00665
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Pred. No. 38
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PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
Remaining Prior Application data removed - Ser
NUMBER OF SEQ ID NOS: 15755
SOFTWARE: Acomica Sequence Listing Engine
Patent No. 6686188
SEQ ID NO 2593
LENGTH: 17
TYPE: DNA
ORGANISM: Homo sapiens
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                                                                                                                                   Patent No. 6686188
SEQ ID NO 6611
LENGTH: 17
Query Match
Best Local Similarity 88.
Matches 15; Conservative
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PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
                                                                                                                                                                                                    SOFTWARE: Aeomica Sequence Listing Engine
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TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEOMICA-7
                                                                                                                                                                                                                                                         OR APPLICATION NUMBER: PCT/US01/00669
OR FILING DATE: 2001-01-30
OR APPLICATION NUMBER: PCT/US01/00665
OR FILING DATE: 2001-01-30
OR APPLICATION NUMBER: PCT/US01/00668
OR FILING DATE: 2001-01-30
OR APPLICATION NUMBER: PCT/US01/00663
OR FILING DATE: 2001-01-30
OR FILING DATE: 2001-01-30
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APPLICATION NUMBER: PCT/US01/00668
FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00663
                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: PCT/US01/00666
FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00667
FILING DATE: 2001-01-30
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PENN, Sharron G.
HANZEL, David K.
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88.2%; Pred. No. 38;
rative 0; Mismatches
                   88.2%;
  0
                   Score 13.8;
Pred. No. 38;
    Mismatches
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                                           Length 17;
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RESULT 68

US-09-866-108A-7854/C

US-09-866-108A-7854/Application US/09866108A

Parent No. 6686188
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US-09-866-108A-6612/c
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NUMBER OF SEQ ID NOS: 15755
SOFTWARE: Acomica Sequence Listing Engine
Patent No. 6686188
SEQ ID NO 6612
LENGTH: 17
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Best Local Similarity
Matches 15; Conserv
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TITLE OF INVENTION: MYSSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEOMICA-7
CURRENT APPLICATION NUMBER: US/09/866,108A
CURRENT FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-05-26
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PRIOR FILING DATE: 2000-10-04
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APPLICATION NUMBER: PCT/US01/00667
FILING DATE: 2001-01-30
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APPLICATION NUMBER: PCT/US01/00663
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EL, David
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GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron

SHANNON, Mark RANK, David R. CHEN, Wensheng HANZEL,

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NUMBER OF SEQ ID NOS: 15755
SOFTWARE: Acomica Sequence Listing Engine
Patent No. 686188
SEQ ID NO 7854
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PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
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PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
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OR APPLICATION NUMBER: US 60/236,359
OR FILING DATE: 2000-09-27
OR APPLICATION NUMBER: PCT/US01/00666
OR FILING DATE: 2001-01-30
OR REPLICATION NUMBER: PCT/US01/00667
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les 15; Conserv
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FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00668
FILING DATE: 2001-01-30
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                                 APPLICATION NUMBER: PCT/US01/00664
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LING DATE: 2001-01-30
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LING DATE: 2001-01-30
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llarity 88.2%;
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NUMBER: PCT/US01/00669
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; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-8082
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; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-7855
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SEQ ID NO 8082
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Patent No. 6686188
SEQ ID NO 7855
LENGTH: 17
Query Match
Best Local Similarity
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PRIOR APPLICATION NUMBER: US 60/207,456
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CURRENT APPLICATION NUMBER: US/09/866,108A
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PRIOR FILING DATE: 2001-01-30
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FILING DATE: 2001-01-30
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FILING DATE: 2001-01-30
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INVENTION: MYOSIN-LIKE GENE EXPRESSED
ERENCE: AEOMICA-7
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Best Local :
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SEQ ID NO 8648
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NUMBER OF SEQ II
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PPLICANT: SHANNON, Mark
ITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED
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FILING DATE: 2001-01-30
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G DATE: 2001-01-30
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G DATE: 2000-09-27
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         밁
                                                                                                                                              FILE REFERENCE: AEOMICA-7
CURRENT APPLICATION NUMBER: US/09/866,108A
CURRENT FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR FILING DATE: 2000-09-27
PRIOR FILING DATE: 2000-09-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Remaining Prior Application data removed -
NUMBER OF SEQ ID NOS: 15755
SOFTWARE: Acomica Sequence Listing Engine
Patent No. 6886188
SEQ ID NO 10738
LENGTH: 17
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Best Local Similarity
Matches 15; Conserv
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PRIOR FILING DATE: 2000-05-26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: JI, Yongga
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR APPLICATION NUMBER: GB 24263.6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR FILING DATE:
                                                                                                                                                                                                                                                                                                                                                  PPLICANT: RANK, DAVId R.
PPLICANT: CHEN, WEDSHONG
PPLICANT: SHEANON, MARK
ITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
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TLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE: 2000-10-04
APPLICATION NUMBER: US 60/236,359
FILING DATE: 2000-09-27
APPLICATION NUMBER: PCT/US01/00666
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FILING DATE: 2001-01-30
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                                                                                                                        APPLICATION NUMBER: PCT/US01/00666
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FILING DATE: 2001-01-30
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                                                                                                        FILING DATE:
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o. 6686188
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                                                                                  ICATION NUMBER: PCT/US01/00667
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CATION NUMBER: PCT/US01/00663
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HANZEL, David
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                                          NUMBER: PCT/US01/00664
NUMBER: PCT/US01/00669
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Pred. No. 38
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PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
Remaining Prior Application data removed - Se
NUMBER OF SEQ ID NOS: 15755
                                                                              ; MOLECULE TYPE: (
; HYPOTHETICAL: NO
; ANTI-SENSE: YES
PCT-US95-07744A-30
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US-09-866-108A-10740
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SEQ ID NO 10740
LENGTH: 17
                                                                                                                                                                                                  TELEFAX: (Z15)
INFORMATION FOR SEQ ID NO: 3
SEQUENCE CHARACTERISTICS:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
                  Query Match
Best Local
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                                                                                                                                                                                                                                                                                        PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/261,8:

FILING DATE: June 17, 1994

ATTORNEY/AGENT INFORMATION:

NAME: Beardell, Lori Y.

REGISTRATION INFORMATION:

TELEPHONE: (215) 568-3100
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: BM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Trustees of The University of Pennsylvania TITLE OF INVENTION: Plant Genes for Sensitivity to Ethylene TITLE OF INVENTION: and Pathogens NUMBER OF SEQUENCES: 82
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock, Washburn, Kurtz, Mackiewicz & Norris
STREET: One Liberty Place, 46th floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: PCT/US95/07744A FILING DATE: 15-JUNE-1995
                                                                                                                                                                          TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                           CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ZIP: 19103
                                                                                                                                                          TOPOLOGY: linear
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ch 0.5%; Score 13.8; I Similarity 88.2%; Pred. No. 38; 15; Conservative 0; Mismatches
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                                                                                                                                           CDNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0.5%; Score 13.8;
88.2%; Pred. No. 38;
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                                          DB 1; Length 17;
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      Indels
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RESULT 76
US-08-484-138-19
; Sequence 19, Ap;
; Patent No. 5652
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GENERAL INFORMATION:
APPLICANT: Watana
                                                                                                                                                                                                                                                                                                                                                            Best Loc
Matches
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                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEPHONE: 212-977-9550
TELEFAX: 212-664-0525
INFORMATION FOR SEQ ID NO: 19:
                                                                                                                  GENERAL INFORMATION:
APPLICANT: Watanal
APPLICANT: Ren, W
APPLICANT: Weil, I
                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (gen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: White, John P.
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 440
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SOFTWARE: Patentin Release #1.24
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/242,66.
FILING DATE: May 12, 1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ATTORNEY/AGENT INFORMATION:
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                                                              CORRESPONDENCE ADDRESS
                                                                                  NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                                                                                   y match 0.5%; Score 13.4; Local Similarity 93.3%; Pred. No. 31; hes 14; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADDRESSEE: Cooper & Dunham
STREET: 30 Rockefeller Plaza
CITY: New York
STATE: New York
SCOUNTRY: U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MEDIUM TYPE: 3.5 inch 1.44Mb
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TLE OF INVENTION:
                                                                                                       TLE OF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CLASSIFICATION:
                               ADDRESSEE: Cooper & Dunham LLP
STREET: 1185 Avenue of the Americas
                                                                                                                                                                                                                                                                                                                     1765 AAGATGAGGAGGAGG 1779
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New York
New York
                                                                                                     INVENTION:
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                                                                                                                                                                                                       Application US/08484138
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Weil, Roger
                                                                                                                                    Ren, Wu-Yun
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                                                                                                              Roger
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                                                                                                 Complementary DNA and Toxins
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U.S.A

COMPUTER READABLE FORM: MEDIUM TYPE: 3.5 inc

3.5 inch 1.44Mb

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INFORMATION FOR SEQ ID NO: 1
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
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ATTORNEY/AGENT INFORMATION:
NAME: White, John P.
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 4468
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-977-9550
TELEPHONE: 212-664-0525
                                    APPLICATION NUMBER: US
FILING DATE: AUGUST 15
CLASSIFICATION: 514
CLASSIFICATION DATA:
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08
                                                                                                                                                     SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TOPOLOGY: li
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SOFTWARE: PATENTIN Release #1.24
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/484,138
FILING DATE: June 7, 1995
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                   CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                      TITLE OF INVENTION: TITLE OF INVENTION:
                                                                                                                                                                               COMPUTER: IBM COM
OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                     CITY: Los Angeles
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STRANDEDNESS: dou
TOPOLOGY: linear
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OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                  COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NO.
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                                                                                                                                                                                                                                                                         90071-2066
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     , Application US/08291932A
5658780
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633 West Fifth Street
Suite 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     McSwiggen,
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Draper, Kenneth G.
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                                                                                                                                                                                                    IBM Compatible
May 18, 1954
197, 132
                                                                                                                      August 15, 1994
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DISEASES OR CONDITIONS
RELATED TO LEVELS OF
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                                    1: including application
1: described below:
08/245,466
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US-08-442-461D-16
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                                                                       US-08-442-461D-16
                                                                                                                                                                                                                           COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IEM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIA Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/442,461D
FILING DATE: 17-MAY-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Liebeschuetz, Joe
REGISTRATION NUMBER: 37,505
REFERENCE/DOCKET NUMBER: 03307U-060500US
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity 93.3%;
Matches 14; Conservative
                 Query Match
Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
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INFORMATION FOR SEQ ID NO:
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INFORMATION FOR SEQ ID NO:
                                                                                       TOPOLOGY: 1: MOLECULE TYPE:
                                                                                                                        SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS; both
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
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TOPOLOGY: linear
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LECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEFAX:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DDRESSEE: Townsend and Townsend and Crew LLP REET: Two Embarcadero Center, Eighth Floor TY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1823 GGCCGGCGAGGTGGA 1837
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Conservative
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Martin, Shelley S
                                                                                                                                                                                                                     (415)
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                                                                                       linear
E: RNA
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0.5%; Score 13.4; 1
86.7%; Pred. No. 31;
ative 1; Mismatches
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Pred. No. 3:
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Best Local Similarity 93.3%;
Matches 14; Conservative (
                                                                                                                                                                                                                                                      Sequence 19, Application PC/TUS9506379 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 19, Application PC/TUS9103680 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ATTORNEY/AGENT INFORMATION:
NAME: MUZBBhige, Kate H.
REGISTRATION NUMBER: 29,959
REFERENCE/DOCKET NUMBER: 4610
TELECOMMUNICATION INFORMATION:
TELEDPHONE: 415-327-7250
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          INFORMATION FOR SEQ ID NO:
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LENGTH: 15 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: single
                                                                                                                                                           APPLICANT: Watanabe, Kyoichi A.
APPLICANT: Ren, Wu-Yun
APPLICANT: Weil, Roger
TITLE OF INVENTION: Complementary DNA and Toxins
NUMBER OF SEQUENCES: 43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IEM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0.
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch 1.44Mb
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                                                                                                                                               ORRESPONDENCE ADDRESS:
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                                                        COUNTRY: U.S.A.
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                                                                                                            STREET:
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TLE OF INVENTION: CROSSLINKING AGENTS WHICH BIND TO THE MAJOR GROOVE OF
TLE OF INVENTION: DUPLEX DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CLASSIFICATION:
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                                                                                                                              ADDRESSEE:
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                                        10036
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T: 545 Middlefield Road, Suite 200
Menlo Park
California
                                                                                             New York
                                                                                                                                                                                                                                                                                                                                                                  AAGAGGAGGAGGAGG 15
                                                                         New York
                                                                                                            1185 Avenue of the Americas
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           415-327-2951
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            USA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 linear
                                                                                                                               Cooper & Dunham LLP
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Pred. No. 3
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RESULT 81
5217867-3
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US-08-152-019A-13/c
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FILING DATE: 30-NOV-1988
;SEQ ID_NO:3:
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Best Local S
Matches 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: EVANS, RONALD M.; HOLLENBERG, TITLE OF INVENTION: RECEPTORS THEIR IDE: CHARACTERIZATION, PREPARATION AND USE NUMBER OF SEQUENCES: 4
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                         Patent No.
                                                                                                                                                                                                                            Sequence 13, Application US/08152019A Patent No. 5565331
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIAL Release #1.24
CURRENT APPLICATION DATA: PCT/US95/06379
APPLICATION NUMBER: PCT/US95/06379
FILING DATE: May 13, 1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEFAX: 212-391-0526
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME: White, John P.
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 441
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-278-0400
                                                   NUMBER OF SEQUENCES: 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MOLECULE TYPE: DNA (genomic)
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ADDRESSEE: FLEHR, HOHBACH, TEST, ALBRITTON & HERBERT STREET: 4 Embarcadero Center, Suite 3400 CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: nucleic acid
STRANDEDNESS: double
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                                                                                                                                                                                                        INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                             Similarity
                                                                                       INVENTION: NEURAL AXON OUTGROWTH MODULATORS
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                                                                                                                                   Serafini, Tito
Kennedy, Timothy
Placzek, Marysia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   15 base pairs
                                                                                                      Dodd, Jane
                                                                                                                    Jessel
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                                                                                                                 ., Thomas
                                                                                                                                                                                                                                                                                                                                                                                                           0.5%; Score 13.4;
93.3%; Pred. No. 3
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CONFUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Ve
RENT APPLICATION DATA:
APPLICATION NUMBER: US/08/152,019A
FILING DATE: 12-NOV-1993
CLASSIFICATION: 514
NAW"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 0.5%;
Best Local Similarity 93.3%;
Matches 14; Conservative
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INFORMATION FOR SEQ ID NO:
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TELEX: 910 277299 FHT UR
INFORMATION FOR SEQ ID NO: 1
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NAME: Osman, Richard Aron
REGISTRATION UNMBER: 36,627
REFERENCE/DOCKET NUMBER: A-
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                    ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC COMPATIBLE FOR THE PC-DOS/MS-DOS
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TOPOLOGY: 1: MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQUENCE CHARACTERISTI
                                       NAME: McMasters, David D.
REGISTRATION NUMBER: 33,963
REFERENCE/DOCKET NUMBER: 480124.403C1
TELECOMMUNICATION INFORMATION:
                                                                                                          CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                      SOFTWARE: PatentIn Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                   UMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COUNTRY:
ZIP: 941
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                                                                                                                                       APPLICATION NUMBER: US/08/954,210 FILING DATE: 20-OCT-1997
                                                                                                                                                                                                                                                                                        COUNTRY:
                                                                                                                                                                                                                                                                                                                       CITY: Seattle
                                                                                                                                                                                                                                                                                                                                      STREET:
          TELEPHONE: (206)
                                                                                                                                                                                                                                                                                                                                                      ADDRESSEE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NO. 60430//
AL INFORMATION:
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94111-4187
R READABLE FORM:
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                                                                                                                                                                                                                                                                                                                                                                                                        INVENTION:
                                                                                                                                                                                                                                                                                                      Washington
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                                                                                                                                                                                                                                                                                                                                      6300 Columbia Center,
                                                                                                                                                                                                                                                                                        USA
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                                                                                                                                                                                                                                                                                                                                                      E ADDRESS:
SEED and BERRY LLP
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                              (206)
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ION: HEPATITIS C VIRUS RIBOZYMES
NCES: 73
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            6) 622-4900
682-6031
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Pred. No. 3
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                                                                                                                                                                                                                                                                                                                                        701 Fifth Avenue
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US-09-431-419A-59
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Best Local Similarity 87.9
Matches 14; Conservative
                                                                                               SOFTWARE: PatentIn
SEQ ID NO 110
                                                                                                                                                                                                                                                                                                 GENERAL INFORMATION:
APPLICANT: PHILLIPS, M.
APPLICANT: ZHANG, YUAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity
Matches 14; Conserv
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LENGTH: 16
                                                                                                                                                                                                                                                                                                                                                   Patent No. 64893
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OTHER INFORMATION: SYNTHETIC OLIGONUCLEOTIDE -09-614-034-110
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CURRENT APPLICATION NUMBER: US/09/431,419A
CURRENT FILING DATE: 1999-11-01
NUMBER OF SEQ ID NOS: 73
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Yu, Mang
TITLE OF INVENTION: HEPATITIS C VIRUS RIBOZYMES
FILE REFERENCE: 480124.403C3
                                                                                                                                              PRIOR APPLICATION NUMBER: PCT/US99/21007
PRIOR FILING DATE: 1999-09-14
                                                                                                                                                                                                                                                                                                                                                                                 09-614-034-110
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                                                                                                                                 NUMBER OF SEQ ID
                                                                                                                                                                               PRIOR APPLICATION NUMBER: 09/152,717
PRIOR FILING DATE: 1998-09-14
                                                                                                                                                                                                                 CURRENT APPLICATION NUMBER: US/09/614,034
CURRENT FILING DATE: 2000-07-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SOFTWARE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: DNA
                                               ORGANISM: UNKNOWN
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                                                                                                                                                                                                                                                                 ITLE OF INVENTION: ANTISENSE COMPOSITIONS TARGETED TO ITLE OF INVENTION: METHODS OF USE
                                                                                                                                                                                                                                                   E REFERENCE: 4300.013900
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LENGTH: 16 base pairs TYPE: nucleic acid STRANDEDNESS: single
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87.5%;
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Pred. No. 4
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Pred. No. 4
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US-09-705-267A-173/c
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NUMBER OF SEQ ID NOS: 15755
SOFTWARE: Aeomica Sequence Listing Engine
Patent No. 6686188
SEQ ID NO 8648
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Best Local Similarity 87.5%;
Matches 14; Conservative
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Best Local Similarity
                                                               Patent No. 6551826
GENERAL INFORMATION:
                                                                                                   Sequence 173, Application US/09705267A
                                                                                                                                                                                                                                                                                                                                LENGTH: 17
TYPE: DNA
ORGANISM: Homo sapiens
-09-866-108A-8648
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RPPLICANT: Hong Zhang
APPLICANT: Susan M. Freier
RPPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF RAIDD EXPRESSION
                  APPLICANT:
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RIOR FILING DATE: 2001-01-30
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FILE REFERENCE: AEOMICA-7
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FILING DATE: 2001-01-30
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                                                                                                                                                                                                                             1652 CCAGCTGCAGAGGCAG 1667
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                                                                                                                                                                                           16 CCAGCTGCAGCTGCAG 1
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LING DATE: 2001-01-30
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Pred. No. 48;
O; Mismatches
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Pred. No. 5
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LENGTH: 20
TYPB: DNA
ORGANISM: Artificial Sequence
Query Match 0.9
Best Local Similarity 92.9
Matches 13; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                     MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, VI
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/793.660B
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CURRENT APPLICATION NUMBER: US/09/705,267A
CURRENT FILING DATE: 2000-11-01
NUMBER OF SEQ ID NOS: 177
                                                                                                                                        TELEPHONE: 617-523-340
TELEPAX: 617-523-6440
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 14 base pairs
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                    NAME: LOWER, CATA Z.
REGISTRATION NUMBER: 38,227
REFERENCE/DOCKET NUMBER: 47
TELECOMMUNICATION INFORMATION:
                                                                            TOPOLOGY: 1
MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE: 09-SEP-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 96/00
FILING DATE: 07-MAR-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                FILING DATE: 26-AUG-1994
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                          PRIOR DATE: 29-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 94/17
FILTING DATE:
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                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION DATA:
APPLICATION NUMBER:
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ZIP: 02109
                                                                                                         LENGTH: 14 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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                                                                            linear
PE: DNA
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                                                                                                                                                                                                          617-523-3400
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CELL CYCLE REGULATED REPRESSOR
AND DNA ELEMENT
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92.9%;
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                 Score 12.4;
Pred. No. 38
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Pred. No. 83;
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                                DB 1;
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                                Length 14;
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Mismatches

Indels

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SOFTWARE: F
                                                                                                                                                                                                                                                        Sequence 247, Application US/08050073 Patent No. 5567809
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         OTHER INFORMATION: Description of Artificial Sequence:probe sequence -10-032-307-64
                                                                                                                                                                                                                                   GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION NUMBER: US 09/054,832 PRIOR FILING DATE: 1998-04-03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILE REFERENCE: 17682A-003630US
CURRENT APPLICATION NUMBER: US/10/032,307
CURRENT FILING DATE: 2001-12-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION NUMBER: US 09/640,953
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION NUMBER: US 09/054,830 PRIOR FILING DATE: 1998-04-03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             10-032-307-64
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Artificial Sequence
                                                         WPPLICANT: Scharf, Stephen J.
NITLE OF INVENTION: Methods and Reagents for HLA DRBeta DNA
NITLE OF INVENTION: Typing
NUMBER OF SEQUENCES: 315
                                                                                                                     APPLICANT:
                                                                                                                                                                              APPLICANT:
                                                                                                                                                                                                 APPLICANT:
                                                                                                                                                                                                                  PPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       nce 64, Ap
1t No. 6683
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Local Similarity
les 13; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CANT: Dempcy, Robert ...
CANT: Gall, Alexander A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: US 09/431,385
FILING DATE: 1999-11-01
APPLICATION NUMBER: US 60/186,046
FILING DATE: 2000-03-01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DANT: Kutyavin, Igor V.

DANT: Vermeulen, Nicolaas M.J.

DANT: Epoch Biosciences, Inc.

OF INVENTION: T-m Leveling Methods
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE: 2000-11-28
APPLICATION NUMBER: US 09/796,988
FILING DATE: 2001-02-28
                                                                                                                                                                                                                                                                                                                                                                                                                    1520 CGGCAACGTGCTGG 1533
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PILING DATE: 2000-08-16
APPLICATION NUMBER: US 09/724,959
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1913 GGGCCGGCGGAAGG 1926
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                                                                                                                                                                                                                                                                                                                                                                             CGGCTACGTGCTGG 14
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Afonina, Irina A.
Singer, Michael J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Application US/10032307
                                                                                                                                   Begovich, Ann B.
Bugawan, Teodorica L.
Erlich, Henry A.
Griffith, Robert L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Conservative
Hoffmann-La Roche Inc
O Kingsland Street
                                                                                                                                                                                                                  Raymond J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0.5%;
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Pred. No. 38;
0; Mismatches
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RESULT 91
US-08-166-664-9/c
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; MOLECULE TYPE: genomic DNA
US-08-050-073-247
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Matches
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEFAX: (510) 814-2977
INFORMATION FOR SEQ ID NO: :
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
                                                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS (Version 5.0)
SOFTWARB: WordPerfect (Version 5.1)
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IEM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0,
CURRENT APPLICATION DATA:
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 197
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
                                                                                                                          CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                      STREET: 611 ....
STREET: LOB Angeles
CITY: LOB Angeles
STATE: California
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ATTORNEY/AGENT INFORMATION:
NAME: Petry, Douglas A.
REGISTRATION NUMBER: 35,321
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: J. Anthony Mamone
TITLE OF INVENTION: HAMMERHEAD RIBOZYMES FOR
TITLE OF INVENTION: PREFERRED TARGETS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           REFERENCE/DOCKET NUMBER: 87
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                  COUNTRY: U
ZIP: 90017
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                     APPLICATION NUMBER:
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CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Application US/08166664
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            New Jersey : U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                         E: Lyon & Lyon
611 West Sixth Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        James A. McSwiggen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
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                                                                                                                              US/07/884,074
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                                   197/062
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Pred. No. 47;
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Gaps

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RESULT 92
US-08-291-932A-201/c
US-08-291-932A-201
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Best Local Similarity 92.9%;
Matches 13; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 201, Application US/08291932A Patent No. 5658780
                                                                                                                                                                                                                                                                                                                       CURRENT APPLICATION NUMBER: US/08/291, 30....

APPLICATION NUMBER: US/08/291, 30....

FILING DATE: August 15, 1994

CLASSIFICATION: 514

PRIOR APPLICATION DATA: including a PRIOR APPLICATION DATA: described b PRIOR APPLICATION DATA: described b PRIOR APPLICATION DATA: described b PRIOR APPLICATION NUMBER: 08/245,466
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                           INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 20
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
                                                                                                                                                                                                                                                          APPLICATION NUMBER: 08/245,466
FILING DATE: May 18, 1994
APPLICATION NUMBER: 07/987,132
FILING DATE: December 7, 1992
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STREET: 633 West Fit
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
                                                                                         SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SOFTWARE: Word Perfect
CURRENT APPLICATION DATA:
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ADDRESSEE: I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PPLICANT: McSwiggen, James
ITTLE OF INVENTION: RIBOZYME TREATMENT OF
ITTLE OF INVENTION: DISEASES OR CONDITIONS
ITTLE OF INVENTION: RELATED TO LEVELS OF
ITTLE OF INVENTION: NF-KB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STRANDEDNESS:
                                  STRANDEDNESS:
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                                                                    ENGTH:
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                                                                    15 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        633 West Fifth Street
                                                                                                                                                   (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Stinchcomb, Dan T.
Draper, Kenneth G.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (213) 955-0440
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                  linear
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                                                                                                                                                                                                                                                                                                                                                                                                                                UMBER: US/08/291,932A
August 15, 1994
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                                                                                                                                                                                                                                                                                                                                                            including application described below:
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Pred. No. 4
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                                                                                                    US-08-292-620A-324
                                                                                                                                             LELEX: 67.3510
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: min 1
                                     Matches
                                                   Query Match
Best Local :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Matches
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                                                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA: including
PRIOR APPLICATION DATA: described
APPLICATION NUMBER: 08/008,895
FILING DATE: January 19, 1993
APPLICATION NUMBER: 07/989,849
FILING DATE: December 7, 1992
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                           NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 208,
TELECOMOUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     tent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Kenneth G. Draper
TITLE OF INVENTION: RIBOZYME TREATMENT OF
TITLE OF INVENTION: DISEASES OR CONDITION
TITLE OF INVENTION: RELATED TO LEVELS OF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
                                                   Match 0.5%;
Local Similarity 92.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: US/
FILING DATE: August 17,
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER: IBM Compatible OPERATING SYSTEM: IBM P.C. SOFTWARE: Word Perfect 5.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COUNTRY: U.S.A. ZIP: 90071-2066
                                                                                                                                       STRANDEDNESS:
                                                                                                                          IOPOLOGY:
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 1122 GTCCTCCAAGACCT 1135
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Susan Grimm
Dan T. Stinchcomb
James McSwiggen
Sean Sullivan
                                     Conservative
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                                                                                                                                         single
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RELATED TO LEVELS OF
INTRACELLULAR ADHESION
MOLECULE-1 (I-CAM-1)
                                                                                                                                                                                                                                                                                                                                                                                                                                       including application described below:
                                   Score 12.4; DI
Pred. No. 47;
0; Mismatches
                                                                                                                                                                                                                                                                                                   208/149
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                                                                      DB 1;
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                                                                      Length 15;
                                      Indels
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RESULT 95
US-09-081-646-33
; Sequence 33, Application US/09081646
; Patent No. 6333152
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US-09-071-845-324/c
                                                                                                                                                                                                                                                       US-09-071-845-324
                                                                                                                                                                               Query Match
Best Local Similarity
Matches 13; Conserv
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                         INFORMATION FOR SEQUENCE CHARACTERISTICS:
LENGTH: 15 bass
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STREET: 633 "CUT STREET: Suite 4700 CITY: Los Angeles STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ZIP: 90071-2066

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: Storage
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                                                                                                                                                                                                                                                                                                                                                                                                        NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 208/149
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/292,6
FILING DATE: August 17, 1994
APPLICATION NUMBER: 08/008,895
FILING DATE: January 19, 1993
APPLICATION NUMBER: 07/989,849
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    OPERATING SYSTEM: IBM P.C. SOFTWARE: Word Perfect 5.1 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE: December 7, ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Sean Sullivan
APPLICANT: Kenneth G. Draper
TITLE OF INVENTION: RIBOZYME TREATMENT OF
TITLE OF INVENTION: DISEASES OR CONDITIONS
TITLE OF INVENTION: RELATED TO LEVELS OF
TITLE OF INVENTION: INTRACELLULAR ADHESION
TITLE OF INVENTION: MOLECULE-1 (I-CAM-1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Susan Grimm
                                                                                                                                                                                                                                                                                                     TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE:
CLASSIFICATION:
                                                                                                                                                                                                                                                                                      STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADDRESSEE:
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                                                                                                                                                   1122 GTCCTCCAAGACCT 1135
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633 West Fifth Street
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James McSwiggen
Sean Sullivan
                                                                                                                                                                                      Conservative
                                                                                                                                                                                                                                                                        linear
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                                                                                                                                                                                                                                                                                      single
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                                                                                                                                                                                                    Score 12.4;
Pred. No. 4
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TITLE OF INVENTION: Gene Expression Profiles in No. 632
FILE REFERENCE: 01107.74664
CURRENT APPLICATION NUMBER: US/09/081,646
CURRENT FILING DATE: 1998-05-20
EARLIER APPLICATION NUMBER: 60/047,352
EARLIER FILING DATE: 1997-05-21
NUMBER: F0FSEQ ID NOS: 871
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 33
LENGTH: 15
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                                                                                                                                                                                                                                                                                                                                                                                                                                      ; TYPE: DNA; Homo sapiens; ORGANISM: Homo sapiens US-09-081-646-391
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ) ORGANISM: Homo sapiens US-09-081-646-33
                                                                                                                                                                                             RESULT 97
US-08-687-551-10
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FILE REFERENCE: 01107 74664

CURRENT APPLICATION NUMBER: US/09/081,646

CURRENT FILING DATE: 1998-05-20

EARLIER APPLICATION NUMBER: 60/047,352

EARLIER FILING DATE: 1997-05-21

NUMBER: OF SEQ ID NOS: 871

SOFTWARE: FASESEQ for Windows Version 3.0

SEQ ID NO 391

LENGTH: 15

TYPE: NUMBER: 15
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Best Local Similarity 92.9%;
Matches 13; Conservative
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                                                                                                                                                           Patent No.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Kinzler, Kenneth
APPLICANT: Vogelstein, Bert
APPLICANT: Zhang, Lin
APPLICANT: Zhou, Wei
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Kinzler, Kenneth
                                                                                                                                    GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: DNA
APPLICANT: EMILE, CATOLE
APPLICANT: HELENE, Claude
APPLICANT: SPENLEHAUER, Gilles
APPLICANT SPENLEHAUER, Gilles
TITLE OF INVENTION: NUCLEIC ACID-CONTAINING COMPOSITION,
TITLE OF INVENTION: PREPARATION AND USE
NUMBER OF SEQUENCES: 16
                                                                                                                                                                                                                                                                                                                                                           Local Similarity
nes 13; Conserv
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                                                                                                                                                                          Application US/08687551
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                                                                                                                   BAZILE, Didier
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Pred. No. 47;
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Pred. No. 4
                                                                                                                                                                                                                                                                                                                                                             Mismatches
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Best Local Similarity
Matches 12; Conserv
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APPLICATION NUMBER: FR 94/01381
APPLICATION NUMBER: FR 94/01381
FILING DATE: 08-FEB-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/FR95/00098
APPLICATION NUMBER: WO PCT/FR95/00098
ATTORNET/AGENT INFORMATION:
NAME: Smith Ph.D., Julie K.
REGISTRATION NUMBER: 38,619
REFERENCE/DOCKET NUMBER: ST94007-US
                                                                                                                                                                                                                                                                                                                                                                                                                                   08-291-932A-16/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEFAX: (610)454-380 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ZIF: 19426
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
        COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44
MEDIUM TYPE: storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "oligonucleotide"
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                                                                                                                                                                                                      CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                          NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                         APPLICANT: McSwiggen, James
INITLE OF INVENTION: RIBOZYME TREATMENT OF
INITLE OF INVENTION: DISEASES OR CONDITIONS
TITLE OF INVENTION: RELATED TO LEVELS OF
TITLE OF INVENTION: NF-KB
                                                                                                                                                                                                                                                                                                                                                                                               nt No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CORRESPONDENCE ADDRESS:
                                                                                                                  STREET: 633 west rastreems: Suite 4700 CITY: Los Angeles
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: FILING DATE: CLASSIFICATION: 514
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LENGTH: 13 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                          STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEPHONE:
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COMPUTER:
                                                                                                                                                                                      ADDRESSEE:
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                                                                                                                                                                  E: Lyon & Lyon
633 West Fifth Street
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                                                                                                                                                                                                                                                                                                                                       Stinchcomb, Dan T. Draper, Kenneth G.
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                                                                                                                                                                                                                          830
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US-08-291-932A-249
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 249, Application US/08291932A
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
SOFTWARE: Word Perfect 5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/0
FILING DATE: AUGUST 15,
CLASSIFICATION: 514
PRIOR APPLICATION DATA: in
PRIOR APPLICATION DATA: in
PRIOR APPLICATION DATA: de
APPLICATION NUMBER: 08/2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
                                                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               REFERENCE/DOCKET NUMBER: 20
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA: including application
PRIOR APPLICATION DATA: described below:
APPLICATION NUMBER: 08/245,466
                                                                                                                       COMPUTER: Lb., COMPUTER: Lb., COMPUTER: Vord Per
                                                                                                                                                                                                                                                                                                                                                CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                          STREET: 633 West F1:
STREET: Suite 4700
CITY: Los Angeles
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: McSwiggen, CITLE OF INVENTION: R
                                                                                                                                                                                                                                                                                                                                                                              ITLE OF INVENTION: RIBOZYME TREATMENT OF INVENTION: DISASSES OR CONDITIONS TILE OF INVENTION: RELATED TO LEVELS OF INVENTION: NF-KB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           OPERATING SYSTEM: IBM P.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STRANDEDNESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE: May 18, 1994
APPLICATION NUMBER: 07/987,132
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                12;
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633 West Fifth Street
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                                                                                                                                                             IBM Compatible
                                                               .unbыR: US/08/291,932A
August 15, 1994
N: 514
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                                                                                                                                 Perfect 5.1
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 : including application
: described below:
08/245,466
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FILING DATE: December 7, 1992 ATTORNEY/AGENT INFORMATION:

FILING DATE: May 18
APPLICATION NUMBER:

07/987,132

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RESULT 100
US-08-585-684B-2053/c
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TELEX: 67-5510
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 0.5%;
Best Local Similarity 83.3%;
Matches 10; Conservative
           TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 2
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TITLE OF INVENTION: N
TITLE OF INVENTION: 1
TITLE OF INVENTION: 1
NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             REFERENCE/DOCKET NUMBER: 20.
TELECOMMUNICATION INFORMATION: (213) 489-1600
                                                                                                                                                                                                            APPLICATION NUMBER: 60/000,951 FILING DATE: July 7, 1995 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                 APPLICATION NUMBER: US/08/585,684B FILING DATE: January 16, 1996 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette,
MEDIUM TYPE: storage
                                                                                                  NAME: Warburg, Richard
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 218/078
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
                                                                                                                                                                                                                                                                                                                       OPERATING SYSTEM: IBM P.C. DOS SOFTWARE: FastSEQ Version 1.5 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Jarvis, Thale APPLICANT: McSwiggen, Jan
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEPHONE: (Z13) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME: Warburg, Richard J. REGISTRATION NUMBER: 32,3
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STRANDEDNESS:
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Los Angeles
California
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633 West Fifth Street
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INDUCTION OF GRAFT TOLERANCE
AND REVERSAL OF IMMUNE RESPONSES
2751
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Pred. No. 55;
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                                                                                                                                                                                                                                                                                                                                                                                                                  1.44 Mb
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                                                                                                                                ; STRANDEDNESS: single ; TOPOLOGY: linear US-08-271-882B-30
                                                                                                                                                                                                   TELEX: 67.3510
INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
LENGTH: 15
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Best Local Similarity 100.0%; F
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                                                                Matches
                                                                                Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: 08/146,504
PILING DATE: No. 601/696ember 1, 1993
ATTORNEY/AGENT INFORMATION:
NAME: Murphy, David B.
REGISTRATION NUMBER: 31,125
REFERENCE/DOCKET NUMBER: 207/263
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEPHONE: (213) 489-1600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Glen A. Evans
APPLICANT: Glen A. Evans
APPLICANT: Ronald G. Sosnowski
TITLE OF INVENTION: SELF-ADDRESSABLE
TITLE OF INVENTION: SELF-ASSEMBLING
TITLE OF INVENTION: MICROELECTRONIC SY:
TITLE OF INVENTION: DEVICES FOR
TITLE OF INVENTION: AND DIAGNOSTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS (Version
SOFTWARE: WordPerfect (Version 5.1)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/271,882B
FILLING DATE: July 7, 1994
CLASSIFICATION:
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CORRESPONDENCE ADDRESS:
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                                1791 GCGGCAGCCACA 1802
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633 West Fifth Street
                                                                Conservative
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                                                                                  Score 12;
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RESULT 103
US-09-275-850-21
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                                                                                                                                                                                                                                                                                                                                                                                                                               INFORMATION FOR SEQ ID NO: 2
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: line.
                                                                                                                                                                                                                                                                                                                                                                Matches
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                                                                                                                                                                         GENERAL INFORMATION:
                                                                                                                                                                                        Sequence 21, Ap
Patent No. 6261
FILE REFERENCE: NEX 79
CURRENT APPLICATION NUMBER: US/09/275,850A
CURRENT FILING DATE: 1999-03-24
NUMBER OF SEQ ID NOS: 351
SOFTWARE: PatentIn Ver. 2.0
                                                                                                     APPLICANT:
                                                                                                                                        APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
                                                                             PELICANT: Shtatland, Timur
PELICANT: Javornik, Brenda
TTLB OF INVENTION: Truncation SELEX Method
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME: Warburg, Richard
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 211
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  OPERATING SYSTEM: IBM P.C. DOS 5. SOFTWARE: FastSEQ Version 1.5 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/038,073
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ATTORNEY/AGENT INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STREET: Suite 4700
CITY: Los Angeles
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ITLE OF INVENTION: METHOD AND REAGENT FOR THE ITLE OF INVENTION: INDUCTION OF GRAFT TOLERANCE AND REVERSAL OF IMMUNE RESPONSES
                                                                                                                                                                                                                                                                                                                                                                0.5%; So Local Similarity 100.0%; I Local Similarity 100.0%; I les 12; Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADDRESSEE:
                                                                                                                                                                                                                                                                                                                             1656 CTGCAGAGGCAG 1667
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10. 6194150
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                                                                                                                                                                                                                                                                                            13 CTGCAGAGGCAG 2
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                                                                                                                                      Pagratis, Nikos
Gold, Larry
                                                                                                                                                                                                         Application US/09275850A
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633 West Fifth Street
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Stinchcomb, Daniel T
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       맑
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; OTHER INFORMATION: Antisense Oligonucleotide US-09-705-267A-174
                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 105
US-08-486-421-51/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 86.,
Worches 13; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQ ID NO 21
LENGTH: 15
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APPLICANT: Hong Zhang
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     sequence 174, Application US/09705267A
Patent No. 6551826
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQ ID NO 174
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Matches
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                                                                                                                                                                                                                                                                                                                                                                                               Sequence 51, Appli
Patent No. 5672479
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: SUSAN M. Freier
APPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF RAIDD EXPRESSION
FILE REFERENCE: RTS-0211
CURRENT APPLICATION NUMBER: US/09/705,267A
CURRENT FILING DATE: 2000-11-01
NUMBER OF SEQ ID NOS: 177
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          09-705-267A-174/c
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                                                                                                                                                                                                                                                                                                                                                                                     SENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH: 20
                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Floppy disk
COMPUTER: FROM PC compatible
COPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/486,421
                                                                                                                                                                                                        STREET: 1100 ...
STREET: New York
STATE: New York
STATE: New York
TOWNEY: U.S.A.
                                                                                                                                                                                                                                                                                                          APPLICANT: Johnson, Edward M.
APPLICANT: Bergemann, Andrew D.
TITLE OF INVENTION: CLONING AND EXPRESSION OF PUR PROTEIN
NUMBER OF SEQUENCES: 51
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION UMBER: US 08/470,911
FILING DATE: 06-JUN-1995
                                                                                                                                                                                                                                                                                                   CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Local Similarity
                                                                                                                                                                                                 COUNTRY: U.S.A.
ZIP: 10036-2711
                                                                     FILING DATE:
                                                                                                                                                                                                                                                                                     DDRESSEE:
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                                                                 UMBER: US/08/486,421
07-JUN-1995
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; Pred. No. 55;
1; Mismatches
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Pred. No. 1.1e+02;
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                                                                      Query Match
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compartible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION UMBER: US/08/470,911
FILING DATE: 06-UUN-1995
CLASSIFICATION: 435
                                                                                                                                                                                                                                              NAME: CORUZZI, LAURA A.
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 6923-053
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-9741/8864
TELEFAX: 66141 PENNIE
TELEX: 66141 PENNIE
                                                                                                                                                                                                                                                                                                                                                                         ATTORNEY/AGENT INFORMATION:
                                                                                                                            MOLECULE TYPE:
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CITY: New York
                                                    Local
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                                                                                                                                            TOPOLOGY:
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 859 GCCTCTATCTCAACCTGGGCCTC 881
                                   l Similarity
16; Conserv
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Y: U.S.A.
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1155 Avenue of the Americas
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                                   0.5%;
larity 69.6%;
Conservative
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                                  Score 11.8; DB 1; Length 24; Pred. No. 1.3e+02; O; Mismatches 7; Indels
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US-09-156-979-46
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US-08-486-809-51/c
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Patent No. 5869622
                                             GENERAL INFORMATION:
APPLICANT: COWSET, Lex M.
APPLICANT: COWSET, Lex M.
TITLE OF INVENTION: ANTIGENSE MODULATION OF THE REFERENCE: RTS-0013
CURRENT FILING DATE: 198-09-18
NUMBER OF SEQ ID NOS: 47
SEQ ID NO 46
SEQ ID NO 46
                                                                                                                                                                                                                                                                                                                                                                        Matches
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Best Local (
                                                                                                                                                                                            Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEFAX: (212) 869-974
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 24 base pairs
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ORGANISM: Artificial Sequence
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/470,911
FILING DATE: 06-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: COPUZZI, LAURA A.
                  TYPE: DNA
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: FC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 69
TELECOMMUNICATION INFORMATION:
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APPLICATION NUMBER: US
FILING DATE: 07-JUN-19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Johnson, Edward M.
APPLICANT: Bergemann, Andrew D.
TITLE OF INVENTION: CLONING AND EXPRESSION OF PUR PROTEIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                          MOLECULE TYPE: DNA
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(212) 86
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1155 Avenue of the Americas
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ilarity 69.6%;
Conservative
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                                                                                                                                         ANTISENSE MODULATION OF RhoB EXPRESSION
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Pred. No. 1
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Sequence 51, Apr-

Application US/08470911

GENERAL INFORMATION:

APPLICANT: Johnson, Edward M.
APPLICANT: Bergemann, Andrew D.
TITLE OF INVENTION: CLONING AND EXPRESSION OF PUR PROTEIN
NUMBER OF SEQUENCES: 51

CORRESPONDENCE ADDRESS:

08-470-911-51/c

; MOLECULE TYPE: DNA US-08-486-421-51

TOPOLOGY:

STRANDEDNESS: single

nucleic acid

TELEX: 66141 PENNIE INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:

ENGTH:

24 base pairs

REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 692:
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-9741/8864

6923-053

ATTORNEY/AGENT INFORMATION:

Coruzzi, Laura A.

Query Match Best Local Similarity Matches 16; Conserv

0.5%; ilarity 69.6%; Conservative

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Score 11.8; Pred. No. 1. Mismatches

.3e+02

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Gaps

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DB 1; Length 24,

859 GCCTCTATCTCAACCTGGGCCTC 881

24 GCCTCCGCCTCCGCCTCCGCCTC 2

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; FEATURE: ; OTHER INFORMATION: Antisense Oligonucleotide US-09-156-979-46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; OTHER INFORMATION: Description of Artificial Sequence:Synthetic US-09-387-341-107
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EARLIER FILING DATE: 1998-09-25
NUMBER OF SEQ ID NOS: 233
SOFTWARE: PATENTIN Ver. 2.0
SEQ ID NO 107
LENGTH: 18
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Best Local Similarity 77.8
Matches 14; Conservative
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Best Local Similarity
APPLICANT: SHANKON, Mark
APPLICANT: SHANKON, Mark
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART .
FILE REFERENCE: AEOMICA-7
CURRENT APPLICATION NUMBER: US/09/866,108A
CURRENT FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: US 60/203.6
PRIOR FILING DATE: 2000-10-04
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILE REFERENCE: ISPH-0404
CURRENT APPLICATION NUMBER: US/09/387,341
CURRENT FILING DATE: 1999-08-31
EARLIER APPLICATION NUMBER: 09/156,424
EARLIER FILING DATE: 1998-09-18
EARLIER APPLICATION NUMBER: 09/156,979
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               EARLIER FILING DATE: 1998-09-18
EARLIER APPLICATION NUMBER: 09/156,807
EARLIER FILING DATE: 1998-09-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Roberts, M. Luisa
APPLICANT: Cowsert, Lex M.
                                                                                                                                                                                                                                                                                                               APPLICANT: GU, Yizhong
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TLE OF INVENTION: Antisense Modulation of Human Rho Family Gene TLE OF INVENTION: Expression
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2286 CAGCAGTGGGTGAAGCTG 2303
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                                                                                                                                                                                                                                                                                                                                       INFORMAT
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                                                                                                                                                                                                        JI, Yonggang
PENN, Sharron G.
HANZEL, David K.
RANK, David R.
CHEN, Wensheng
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Pred. No. 98;
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Pred. No. 98;
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; TYPE: DNA; ORGANISM: Homo sapiens US-09-866-108A-7854
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PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
                                                                                                                                                                                                                                                               SOFTWARE: Acomica Sequence Listing Engine Patent No. 6686188
SEQ ID NO 7854
LENGTH: 17
                                                                                          Matches 13; Conservative
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Best Local Similarity 81.2%;
                                                                                                                                                                                                                                                                                                                                                              Remaining Prior Application data removed - NUMBER OF SEQ ID NOS: 15755
                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: PCT/US01/00663
FILING DATE: 2001-01-30
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                                                 2275 TGGAGACGCTGCAGCA 2290
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Search completed: April 7, 2004, 16:15:35 Job time : 3 secs

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; TYPE: DNA; ORGANISM: Artificial Sequence; FEATURE:
; CTHER INFORMATION: Antisense Oligonucleotide US-09-993-731-36
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; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:
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CURRENT APPLICATION NUMBER: US/10/275,071
CURRENT FILING DATE: 2003-04-07
PRIOR APPLICATION NUMBER: 09/580,923
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: 08/860,038
PRIOR FILING DATE: 1997-06-09
PRIOR FILING DATE: 1997-06-09
PRIOR APPLICATION NUMBER: PCT/FR95/01468
PRIOR FILING DATE: 1995-11-08
NUMBER OF SEQ ID NOS: 36
SOFTWARE: Patentin Ver. 2.1
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SEQ ID NO 18
LENGTH: 25
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APPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF INHIBITOR-KAPPA B-R EXPRESSION
FILE REFERENCE: RTS-0302
CURRENT APPLICATION NUMBER: US/09/993,731
CURRENT FILING DATE: 2001-11-13
NUMBER OF SEQ ID NOS: 89
SEQ ID NO 36
LENGTH: 20
                                                                                                                                                                                                                                                Sequence 36, Application US/09993731 Publication No. US20030105040A1 GENERAL INFORMATION:
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Publication No. US20030186268A1
GENERAL INFORMATION:
APPLICANT: Crouzet, Joel
APPLICANT: Scherman, Daniel
APPLICANT: Wils, Pierre
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APPLICANT: Blanche, Francis
TITLE OF INVENTION: PURIFICATION OF A TRIPLE HELIX FORMATION WITH
TITLE OF INVENTION: IMMOBILIZED OLIGONUCLEOTIDE
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US-09-993-731-38
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CURRENT APPLICATION NUMBER: US/09/993,731
CURRENT FILING DATE: 2001-11-13
NUMBER OF SEQ ID NOS: 89
SEQ ID NO 37
SEQ ID NO 37
SEQ ID NO 37
TYPE: DNA
ORGANISM: Artificial Sequence
                                                 APPLICANT: Brett P. Monia
APPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF INHIBITOR-KAPPA B-R EXPRESSION
FILE REFERENCE: RTS-0302
CURRENT APPLICATION NUMBER: US/09/993,731
CURRENT FILING DATE: 2001-11-13
NUMBER OF SEQ ID NOS: 89
SEQ ID NO 39
LENGTH: 20
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Publication No. US20030105040A1
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CURRENT FILING DATE: 2001-11-13
NUMBER OF SEQ ID NOS: 89
SEQ ID NO 38
LENGTH: 20
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APPLICANT: Andrew T. Wat
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ORGANISM: Artificial Sequence
TYPE: DNA ORGANISM: Artificial Sequence FEATURE:
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ITLE OF INVENTION: ANTISENSE MODULATION OF INHIBITOR-KAPPA
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ITLE OF INVENTION: ANTISENSE MODULATION OF INHIBITOR-KAPPA B-R EXPRESSION
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Pred. No.
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LENGTH: 20
TYPE: DNA
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Best Local S
Matches 20
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Publication No. US20030105040A1
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Best Local S
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Publication No.
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TITLE OF INVENTION: ANTISENSE MODULATION OF
FILE REFERENCE: RTS-0302
CURRENT APPLICATION NUMBER: US/09/993,731
CURRENT FILING DATE: 2001-11-13
NUMBER OF SEQ ID NOS: 89
                                                                                                                                                                                                                       APPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF INHIBITOR-KAPPA B-R EXPRESSION
FILE REFERENCE: RTS-0302
CURRENT APPLICATION NUMBER: US/09/993,731
CURRENT FILING DATE: 2001-11-13
NUMBER OF SEQ ID NOS: 89
                                                                                                                                                                                                                                                                                                   APPLICANT: Brett P. Monia APPLICANT: Andrew T. Wat
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APPLICANT: Andrew
                                                                                                                                               TYPE: DNA ORGANISM: Artificial Sequence FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          OTHER INFORMATION: Antisense Oligonucleotide
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                                                                                                                                                                                            ENGTH: 20
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les 20; Conserv
                           960 CTTTACGAGGACCTATTCCG 979
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io. US20030105040A1
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Pred. No.
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RESULT 8 US-09-993-731-42/c ; Sequence 42, Application US/09993731

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; OTHER INFORMATION: Antisense Oligonucleotide
US-09-993-731-42
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US-09-993-731-44/c
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US-09-993-731-43/c
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Best Local S
Matches 20
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Publication No. US20030105040A1
GENERAL INFORMATION:
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SEQ ID NO 43
LENGTH: 20
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LENGTH: 20
                                                                        SEQ ID NO 44
LENGTH: 20
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Best Local Similarity
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APPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF INHIBITOR-KAPPA B-R EXPRESSION
FILE REFERENCE: RTS-0302
CURRENT APPLICATION NUMBER: US/09/993,731
CURRENT APPLICATION NUMBER: US/09/993,731
CURRENT FILING DATE: 2001-11-13
NUMBER OF SEQ ID NOS: 89
                                                                                                          APPLICANT: Brett P. Monia
APPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF INHIBITOR-KAPPA B-R
FILE REFERENCE; RTS-0302
FURRENT FAPPLICATION NUMBER: US/09/993,731
CURRENT FILLING DATE: 2001-11-13
NUMBER OF SEQ ID NOS: 89
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CURRENT FILING DATE: 2001-11-13
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APPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF INHIBITOR-KAPPA B-R EXPRESSION
FILE REPERENCE: RTS-0302
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: DNA ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
ORGANISM: Artificial Sequence FEATURE: OTHER INFORMATION: Antisense
                                                          TYPE: DNA
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INFORMATION: Antisense Oligonucleotide
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                                                                                                                           ; OTHER INFORMATION: Antisense Oligonucleotide US-09-993-731-46
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CURRENT FILING DATE: 2001-11-13
NUMBER OF SEQ ID NOS: 89
SEQ ID NO 46
LENGTH: 20
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SEQ ID NO 45
LENGTH: 20
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Best Local Similarity
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APPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF INHIBITOR-KAPPA B-R EXPRESSION
FILE REFERENCE: RTS-0302
CURRENT APPLICATION NUMBER: US/09/993,731
CURRENT FILING DATE: 2001-11-13
                                                                                                                                                                                                                                                                                       APPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF INHIBITOR-KAPPA B-R EXPRESSION
FILE REFERENCE: RTS-0302
                                                                                                                                                                                                                                                                                                                       APPLICANT: Brett P. Monia APPLICANT: Andrew T. Wat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: DNA ORGANISM: Artificial Sequence FEATURE:
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                                                                            Local Similarity
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                             1072 CCATGAGGAAGCGGTTCATG 1091
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100.0%; Pred. No.
                                                            0.8%; Score 20; DB 1; 100.0%; Pred. No. 4.1; 1ve 0; Mismatches
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RESULT 13 US-09-993-731-47/c ; Sequence 47, Application US/09993731 ; Publication No. US20030105040A1

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ITTLE OF INVENTION: ANTISENSE MODULATION OF INHIBITOR-KAPPA B-R EXPRESSION FILE REFERENCE: RTS-0302
CURRENT APPLICATION NUMBER: US/09/993,731
CURRENT FILING DATE: 2001-11-13
NUMBER OF SEQ ID NOS: 89
SEQ ID NO 49
LENGTH: 20
TYPE: DNA
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Best Local Similarity
Whiches 20; Conserva
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US-09-993-731-47
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CURRENT FILING DATE: 2001-11-13
NUMBER OF SEQ ID NOS: 89
SEQ ID NO 48
LENGTH: 20
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SEQ ID NO 47
LENGTH: 20
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Publication No. US20030105040A1
GENERAL INFORMATION:
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Best Local Similarity
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CURRENT APPLICATION NUMBER: US/09/993,731
CURRENT FILING DATE: 2001-11-13
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OTHER INFORMATION: Antisense Oligonucleotide 09-993-731-49
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ORGANISM: Artificial Sequence
FEATURE:
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ORGANISM: Artificial
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4.1;
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                RESULT 18
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US-09-993-731-52/c
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APPLICANT: Andrew T. Watt
TITLE OF INVENTON: ANTISENSE MODULATION OF INHIBITOR-KAPPA
FILE REFERENCE: RTS-0302
CURRENT APPLICATION NUMBER: US/09/993,731
CURRENT FILING DATE: 2001-11-13
NUMBER OF SEQ ID NOS: 89
SEQ ID NO 51
LENGTH: 20
THEORY OF SEQ ID NOS: 89
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LENGTH: 20
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TITLE OF INVENTION: ANTISENSE MODULATION OF INHIBITOR-KAPPA
FILE REFERENCE: RTS-0302
CURRENT APPLICATION NUMBER: US/09/993,731
CURRENT FILING DATE: 2001-11-13
NUMBER OF SEQ ID NOS: 89
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ORGANISM: Artificial Sequence
FEATURE:
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100.0%; Pred. No. 4.1;
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Pred. No.
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Sequence 52, Application US/09993731
Publication No. US20030105040A1
GENERAL INFORMATION:

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US-09-993-731-53/c
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                                                                                                                           GENERAL INFORMATION:
APPLICANT: Brett P. Monia
APPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF INHIBITOR-KAPPA B-R EXPRESSION
FILE REFERENCE: RTS-0302
CURRENT APPLICATION NUMBER: US/09/993,731
CURRENT APPLICATION NUMBER: 105/09/993,731
NUMBER OF SEQ ID NOS: 89
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SEQ ID NO 52
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
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Publication No. US20030105040A1
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APPLICANT: Brett P. Monia
APPLICANT: Andrew T. Watt
                                                                                        SEQ ID NO 54
LENGTH: 20
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Publication No.
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Best Local Similarity
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OTHER INFORMATION: Antisense Oligonucleotide -09-993-731-54
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CURRENT APPLICATION NUMBER: US/09/993,731
CURRENT FILING DATE: 2001-11-13
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APPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF INHIBITOR-KAPPA B-R EXPRESSION
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LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
                                                ORGANISM: Artificial Sequence
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lo. US20030105040A1
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100.0%; Pred. No. 4.1;
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l00.0%; Pred. No. 4.1;
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RESULT 23
US-09-993-731-57/c
(Sequence 57, Application US/09993731; Publication No. US20030105040A1; GENERAL INFORMATION:
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Publication No. US20030105040A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                FILE REFERENCE: RTS-0302
CURRENT APPLICATION NUMBER: US/09/993,731
CURRENT FILING DATE: 2001-11-13
NUMBER OF SEQ ID NOS: 89
SEQ ID NO 56
LENGTH: 20
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Best Local Similarity 100.0%;
Matches 20; Conservative (
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Best Local Similarity
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Best Local Similarity
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LENGTH: 20
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CURRENT FILING DATE: 2001-11-13
NUMBER OF SEQ ID NOS: 89
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APPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF INHIBITOR-KAPPA B-R EXPRESSION
PILE REFERENCE: RTS-0302
                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: ANDREW T. WATT
TITLE OF INVENTION: ANTISENSE MODULATION OF INHIBITOR-KAPPA B-R EXPRESSION
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TYPE: DNA
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100.0%; Pred. No. 4.
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APPLICANT: Brett P.

Monia

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US-09-993-731-59/c; Sequence 59, Application US/09993731; Publication No. US20030105040A1; GENERAL INFORMATION:
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US-09-993-731-58
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CURRENT FILING DATE: 2001-11-13
NUMBER OF SEQ ID NOS: 89
SEQ ID NO 58
SEQ ID NO 58
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Best Local Similarity 100.
Matches 20; Conservative
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Publication No. US20030105040A1
GENERAL INFORMATION:
APPLICANT: Brett P. Monia
APPLICANT: Andrew T. Watt
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF INHIBITOR-KAPPA B-R EXPRESSION
FILE REFERENCE: RTS-0302
CURRENT APPLICATION NUMBER: US/09/993,731
CURRENT FILING DATE: 2001-11-13
NUMBER OF SEQ ID NOS: 89
SEQ ID NO 57
Query Match
                                                                                                                          SEQ ID NO 59
LENGTH: 20
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Best Local Similarity
Matches 20; Conserv
                                                                                                                                                              FILE REFERENCE: RTS-0302
CURRENT APPLICATION NUMBER: US/09/993,731
CURRENT FILING DATE: 2001-11-13
NUMBER OF SEQ ID NOS: 89
                                                                                                                                                                                                                                                           APPLICANT: Brett P. Monia APPLICANT: Andrew T. Wat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF
FILE REFERENCE: RTS-0302
                                                                                                                                                                                                                                        APPLICANT: ANDREW T. WALL
TITLE OF INVENTION: ANTISENSE MODULATION OF INHIBITOR-KAPPA B-R EXPRESSION
                                                                         TYPE: DNA ORGANISM: Artificial Sequence FEATURE:
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TYPE: DNA
ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
                                                     OTHER INFORMATION: Antisense Oligonucleotide
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RESULT 28
US-09-993-731-62/c
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Best Local S
Matches 20
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CURRENT FILING DATE: 2001-11-13
NUMBER OF SEQ ID NOS: 89
SEQ ID NO 61
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Publication No. US20030105040A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NUMBER OF SEQ ID NOS: 89
SEQ ID NO 60
SEQ ID NO 60
TYPE: DNA
ORGANISM: Artificial Sequence
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Best Local
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APPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF INHIBITOR-KAPPA B-R EXPRESSION
FILE REFERENCE: RTS-0302
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Brett P. Monia
APPLICANT: Andrew T. Watt
ITITE OAT INVENTION: ANTISENSE MODULATION OF INHIBITOR-KAPPA B-R EXPRESSION
FILE REFERENCE: RTS-0302
CURRENT APPLICATION NUMBER: US/09/993,731
CURRENT FILING DATE: 2001-11-13
                                                                                                                                                                                                 OTHER INFORMATION: Antisense Oligonucleotide
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                                                                                                                                                                                                                                               TYPE: DNA
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Pred. No.
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; Sequence 62, Applicat:
 Publication No. US2003;
 GENERAL INFORMATION:
 APPLICANT: Brett P. !
 APPLICANT: Andrew T

Application US/09993731 |o. US20030105040A1

Brett P. Monia Andrew T. Watt

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; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-993-731-62
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US-09-993-731-64/c
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US-09-993-731-63/c
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                                               FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-993-731-64
                                                                                                                                                     APPLICANT: Brett P. Monia
APPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF
FILE REFERENCE: RTS-0302
CURRENT APPLICATION NUMBER: US/09/993,731
CURRENT FILING DATE: 2001-11-13
NUMBER OF SEQ ID NOS: 89
SEQ ID NO 64
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Best Local S
Matches 20
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Publication No. US20030105040A1
GENERAL INFORMATION:
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Publication No. US20030105040A1
GENERAL INFORMATION:
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LENGTH: 20
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LENGTH: 20
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Query Match
Best Local Similarity
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APPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF INHIBITOR-KAPPA B-R EXPRESSION
FILE REFERENCE: RTS-0302
CURRENT APPLICATION NUMBER: US/09/993,731
CURRENT FILLING DATE: 2001-11-13
NUMBER OF SEQ ID NOS: 89
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CURRENT APPLICATION NUMBER: US/09/993,731
CURRENT FILING DATE: 2001-11-13
NUMBER OF SEQ ID NOS: 89
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: DNA
                                                                                                       ORGANISM: Artificial Sequence
                                                                                                                          TYPE: DNA
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0.8%;
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Pred. No.
 Score 20;
Pred. No.
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 DB 1;
. 4.1;
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; OTHER INFORMATION: US-09-993-731-65
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                                             US-09-993-731-67/c
, Sequence 67, Application US/09993731
, Publication No. US20030105040A1
, GENERAL INFORMATION:
                                                                                                                                                                                                                                                                               , OTHER INFORMATION: AntiBense Oligonucleotide US-09-993-731-66
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                                                                                                           RESULT 33
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LENGTH: 20
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APPLICANT: Brett P. Monia
                                                                                                                                                                                                                   Query Match
Best Local Similarity
Matches 20; Conserv
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Best Local
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CURRENT FILING DATE: 2001-11-13
NUMBER OF SEQ ID NOS: 89
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CURRENT FILING DATE: 2001-11-13
NUMBER OF SEQ ID NOS: 89
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TITLE OF INVENTION: ANTISENSE MODULATION OF
FILE REFERENCE: RTS-0302
APPLICANT: Brett P. Monia
APPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF INHIBITOR-KAPPA B-R EXPRESSION
                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Brett P. Monia
APPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF
FILE REFERENCE: RTS-0302
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                                                                                                                                                                                                                                                                                                                                               TYPE: DNA
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00.0%; Pred. No.
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Pred. No.
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4.1;
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LENGTH: 20
TYPE: DA
ORGANISM: Artificial S
FEATURE:
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APPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF INHIBITOR-KAPPA B-R EXPRESSION
FILE REFERENCE: RTS-0302
CURRENT APPLICATION NUMBER: US/09/993,731
CURRENT FILING DATE: 2001-11-13
NUMBER OF SEQ ID NOS: 89
SEQ ID NO 69
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Publication No. US20030105040A1
GENERAL INFORMATION:
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Best Local Similarity
Matches 20; Conserv
Query Match 0.8%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Fred. No. 4.1; Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                      OTHER INFORMATION: -09-993-731-69
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APPLICANT: Andrew T. Weatt
TITLE OF INVENTION: ANTISENSE MODULATION OF INHIBITOR-KAPPA B-R EXPRESSION
TITLE OF INVENTION: ANTISENSE MODULATION OF INHIBITOR-KAPPA B-R EXPRESSION
FILE REFERENCE: RTS-0302
FULL REFERENCE: RTS-0302
FULL REFERENCE: US/09/993,731
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CURRENT APPLICATION NUMBER: US/09/993,731
CURRENT FILING DATE: 2001-11-13
NUMBER OF SEQ ID NOS: 89
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TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                TYPE: DNA ORGANISM: Artificial Sequence FEATURE:
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100.0%; Pred. No. 4.
ative 0; Mismatches
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100.0%; Pred. No. 4.1;
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Sequence 71, Application US/09993731
PUDIICATION NO. US20030105040A1
GENERAL INFORMATION:
APPLICANT: Brett P. Monia
APPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF INF
FILE REFERENCE: RTS-0302
CURRENT APPLICATION NUMBER: US/09/993,731
CURRENT FILING DATE: 2001-11-13
NUMBER OF SEQ ID NOS: 89
SEQ ID NO 71
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US-09-993-731-70/c
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US-09-993-731-71/c
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                                                            Sequence 72, Application US/09993731
Publication No. US20030105040A1
GENERAL INFORMATION:
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CURRENT FILING DATE: 2001-11-13
NUMBER OF SEQ ID NOS: 89
SEQ ID NO 70
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APPLICANT: Brett P.
APPLICANT: Andrew
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Best Local Similarity
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Best Local Similarity
APPLICANT: Brett P. Monia
APPLICANT: Andrew T. Watt
TITLE OF INVESTION: ANTISENSE MODULATION OF INHIBITOR-KAPPA B-R EXPRESSION
FILE REFERENCE: RTS-0302
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                                                                                                                                                                                                                                                                                                                                                         LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
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Conservative (
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; Pred. No.
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Pred. No.
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; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-993-731-74
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US-09-993-731-73/c
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US-09-993-731-74/c
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US-09-993-731-73
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Best Local S
Matches 20
                                                                                                                                                        CURRENT APPLICATION NUMBER: US/09/993,731
CURRENT FILING DATE: 2001-11-13
NUMBER OF SEQ ID NOS: 89
SEQ ID NO 74
                                                                                                                                                                                                                                                         Sequence 74, Application US/09993731
Publication No. US20030105040A1
GENERAL INFORMATION:
APPLICANT: Brett p. Monia
APPLICANT: Andrew T. Watt
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Best Local
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CURRENT FILING DATE: 2001-11-13
NUMBER OF SEQ ID NOS: 89
SEQ ID NO 72
   Matches
                 Query Match
Best Local (
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CURRENT APPLICATION NUMBER: US/09/993,731
CURRENT FILING DATE: 2001-11-13
NUMBER OF SEQ ID NOS: 89
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                                                                                                                                                                                                                          APPLICANT: ANDREW T. WALL
TITLE OF INVENTION: ANTISENSE MODULATION OF INHIBITOR-KAPPA B-R EXPRESSION
FILE REFERENCE: RTS-0302
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Brett P. Monia
APPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF INHIBITOR-KAPPA B-R EXPRESSION
                                                                                                             TYPE: DNA
ORGANISM: Artificial Sequence
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100.0%; Pred. No. 4.1;
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                                                                                                       US-09-993-731-77/c
; Sequence 77, Application US/09993731
; Publication No. US20030105040A1
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US-09-993-731-76/c
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Publication No. US20030105040A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Brett P. Monia
APPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF INHIBITOR-KAPPA B-R EXPRESSION
FILE REFERENCE: RTS-0302
CURRENT APPLICATION NUMBER: US/09/993,731
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Best Local Similarity

Matches 20; Conserv
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CURRENT FILING DATE: 2001-11-13
NUMBER OF SEQ ID NOS: 89
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TITLE OF INVENTION: ANTISENSE MODULATION OF
FILE REFERENCE: RTS-0302
CURRENT APPLICATION NUMBER: US/09/993,731
CURRENT FILING DATE: 2001-11-13
NUMBER OF SEQ ID NOS: 89
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APPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF
FILE REFERENCE: RTS-0302
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CURRENT FILING DATE: NUMBER OF SEQ ID NOS: SEQ ID NO 77 LENGTH: 20

FEATURE:

TYPE: DNA
ORGANISM: Artificial Sequence

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TITLE OF INVENTION: ANTISENSE MODULATION OF INFITLE REFERENCE: RTS-0302
CURRENT APPLICATION NUMBER: US/09/993,731
CURRENT FILING DATE: 2001-11-13
NUMBER OF SEQ ID NOS: 89
SEQ ID NO 78
LENGTH: 20
TYPE: """
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US-09-993-731-78/c
                                                                                          ; OTHER INFORMATION: Antisense Oligonucleotide US-09-993-731-79
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Publication No. US20030105040A1
GENERAL INFORMATION:
APPLICANT: Brett P. Monia
APPLICANT: Andrew T. Watt
                                                                                                                                                                   SEQ ID NO 79
LENGTH: 20
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Publication No. US20030105040A1
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Best Local Similarity 100
Matches 20; Conservative
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Best Local
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CURRENT FILING DATE: 2001-11-13
NUMBER OF SEQ ID NOS: 89
                                                                                                                                  ORGANISM: Artificial Sequence
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les 20; Conserv
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   1662 AGGCAGGTCTTGCAGCATCT 1681
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Pred. No. 4.1;
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US-09-993-731-82/c
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Sequence 81, Application US/09993731
Publication No. US20030105040A1
GENERAL INFORMATION:
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US-09-993-731-80/c
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                                                                                                   Sequence 82, Application US/09993731
Publication No. US20030105040A1
GENERAL INFORMATION:
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LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
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Best Local Similarity
Matches 20; Conserv
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LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
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TITLE OF INVENTION: ANTISENSE MODULATION OF INHIBITOR-KAPPA B-R EXPRESSION
PILE REFERENCE: RTS-0302
CURRENT APPLICATION NUMBER: US/09/993,731
CURRENT FILING DATE: 2001-11-13
NUMBER.OF SEQ ID NOS: 89
APPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF
FILE REFERENCE: RTS-0302
CURRENT APPLICATION NUMBER: US/09/993,731
CURRENT FILING DATE: 2001-11-13
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                                                                       APPLICANT: Brett P.
APPLICANT: Andrew
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                                                         INHIBITOR-KAPPA
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US-09-993-731-84/c
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Best Local S
Matches 20
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APPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF INHIBITOR-KAPPA B-R EXPRESSION
FILE REFERENCE: RTS-0302
CURRENT FILING DATE: 2001-11-13
NUMBER OF SEQ ID NOS: 89
SEQ ID NO 83
                                             Query Match
Best Local Similarity
Matches 20; Conserv
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SEQ ID NO 82
LENGTH: 20
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LENGTH: 20
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Publication No.
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                                                                                                         OTHER INFORMATION: Antisense Oligonucleotide -09-993-731-84
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                                                                                                                                                                                                             CURRENT APPLICATION NUMBER: US/09/993,731
CURRENT FILING DATE: 2001-11-13
NUMBER OF SEQ ID NOS: 89
                                                                                                                                                                                                                                                           APPLICANT: Breet P. Monia
APPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF INHIBITOR-KAPPA B-R EXPRESSION
FILE REFERENCE: RTS-0302
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                    TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
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TYPE: DNA
ORGANISM: Artificial Sequence
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                                              Mismatches
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4.1;
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                                      ; ORGANISM: Homo US-10-005-626A-70
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                                                                                             SEQ ID NO 70
LENGTH: 23
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Best Local Similarity
Matches 19; Conserv
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Patent No. US20020064771A1
Query Match
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CURRENT FILING DATE: 2001-04-06
PRIOR APPLICATION NUMBER: U.S. 60/195,852
PRIOR FILING DATE: 2000-04-06
NUMBER OF SEQ ID NOS: 33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILE REFERENCE: 21401-7002
CURRENT APPLICATION NUMBER: US/10/005,626A
CURRENT FILING DATE: 2001-12-03
                                                                                                                                     PRIOR FILING DATE: 198
NUMBER OF SEQ ID NOS:
SOFTWARE: PatentIn vei
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TITLE OF INVENTION: HCV REPLICASE COMPLEXES
FILE REFERENCE: IN01165
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APPLICANT: Hong, Zhi
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                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION NUMBER: US 10/005,626 PRIOR FILING DATE: 2001-12-03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TITLE OF INVENTION: Intron Sequence Analysis Method TITLE OF INVENTION: Locus Alleles as Haplotypes
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APPLICANT: Michael, Sim
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TYPE: RNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SOFTWARE: PatentIn Ver.
                                                                              TYPE: DNA
                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: US 07/551,239 FILING DATE: 1990-07-11
                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: US 08/682,054
FILING DATE: 1996-07-16
                                                                                                                                                                                                   APPLICATION NUMBER: US 07/398,217
                                                                                                                                                                                                                                                                             FILING DATE: 1990-07-11
APPLICATION NUMBER: US 07/465,863
                                                                                                                                                                                                                                                                                                                                                     FILING DATE: 1996-07-16
APPLICATION NUMBER: US 07/949,652
                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: US 09/070,497
                                                                                                                                                                                                                      FILING DATE: 1989-09-1
                                                                                                                                                                                                                                       APPLICATION NUMBER: US 07/405,499
                                                                                                                                                                                                                                                          FILING DATE: 1990-01-16
                                                                                                                                                                                                                                                                                                                                        FILING DATE: 1992-09-23
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No. US20030119003A1
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  Score 18.4;
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Pred. No. 1
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Length 23;
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FILE REFERENCE: 1551.2001-001

CURRENT APPLICATION NUMBER: US/10/418,182

CURRENT FILING DATE: 2003-04-16

PRIOR APPLICATION NUMBER: 60/373,558

PRIOR FILING DATE: 2002-04-17

NUMBER OF SEQ ID NOS: 423

SOFTWARE: FASTSEQ for Windows Version 4.0

SEQ ID NO 126
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RESULT 55
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SEQ ID NO 153
LENGTH: 20
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Matches :
                                                                                                                                   Query Match
Best Local Similarity
                                                                                                                                                                                    -10-181-846-153
                                                                                                                                                                                                                                                                                                                                                         FILE REFERENCE: RTSP-0363
CURRENT APPLICATION NUMBER: US/10/181,846
CURRENT FILING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: PCT/US01/01416
PRIOR FILING DATE: 2001-01-16
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                                                                                                                                                                                                                                                                                                                      PRIOR FILING DATE: 2001-01-16
PRIOR APPLICATION NUMBER: 09/490,692
PRIOR FILING DATE: 2000-01-24
                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Nicholas M. Dean
APPLICANT: Lex M. Cowsert
TITLE OF INVENTION: ANTISENSE MODULATION OF DAXX EXPRESSION
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                                                                                                                                                                                                                     TYPE: DNA
ORGANISM: Artificial Sequence
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19; Conservative
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                                                                                                                                   Score 17.4;
Pred. No. 1
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Pred. No. 1
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US-10-388-329-9
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SOFTWARE: PatentIn version 3.1
SEQ ID NO 4054
LENGTH: 20
TYPE: DNA
ORGANISM: Candida albicans
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-10-032-585-4054
; Sequence 4054, Application US/10032585
; Publication No. US20030180953A1
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NUMBER OF SEQ ID NOS: 15

SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO 9

LENGTH: 20

TYPE: DNA

ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Synthetic
OTHER INFORMATION: oligonucleotide
                                                                                                                                                                    Sequence
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Publication No. US20040002093A1
GENERAL INFORMATION:
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Best Local
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APPLICANT: Bo, Jiang
APPLICANT: Charles, Boone
APPLICANT: Charles, Boone
APPLICANT: Howard, Bussey
TITLE OF INVENTION: Gene Disruption Methodologies for Drug Target Discovery
FILE REFERENCE: 10182-005-999
CURRENT APPLICATION NUMBER: US/10/032,585
CURRENT FILING DATE: 2001-12-20
                                                                                                                                                     Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: SHI, LIANG
TITLE OF INVENTION: NUCLEIC ACID DETECTION METHOD
FILE REFERICE: 109845.191US2; TMRI-020US
CURRENT APPLICATION NUMBER: US/10/388,329
CURRENT FILING DATE: 2003-03-13
CURRENT FILING DATE: 2003-03-13
PRIOR APPLICATION NUMBER: 60/364,230
                                                       APPLICANT: Batra, Surinder K.
APPLICANT: Brandt, Randall E.
APPLICANT: Ringel, J'erg
APPLICANT: Faulmann, Grit
                                                                                                                                                                                                                                                                                                                                                                  Local
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                                                                                                                                                 22, Application US/09733444
c. US20020150894A1
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Similarity 94.7%;
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  University of Nebraska
                  L"hr, Matthias
Varshney, Grish C.
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94.78;
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Pred. No. 1
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Pred. No. 1
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  Board
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of Regents
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US-10-199-199-70/c
; Sequence 70, Application US/10199199
; Publication No. US20040014047A1
; GENERAL INFORMATION:
; APPLICANT: Lex M. Cowsert
; APPLICANT: Kenneth W. Dobie
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Best Local Similarity
Matches 17; Conserv
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LENGTH: 18
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Varshney, Grish C.
APPLICANT: University of Nebraska Board of Regents
TITLE OF INVENTION: Specific Mucin Expression as a N
TITLE OF INVENTION: for Pancreatic Cancer
FILE REFERENCE: UNMC 63155
CURRENT APPLICATION NUMBER: US/10/279,454
CURRENT FILING DATE: 2002-10-24
FILE REFERENCE: RTS-0375
CURRENT APPLICATION NUMBER: US/10/199,199
CURRENT FILING DATE: 2002-07-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NUMBER OF SEQ ID NOS: 29
SOFTWARE: FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR APPLICATION NUMBER: US/09/733,444
PRIOR FILING DATE: 2000-12-08
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Batra, Surinder K.
APPLICANT: Brandt, Randall E.
APPLICANT: Ringel, J"erg
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CURRENT FILING DATE: 2000-12-08
NUMBER OF SEQ ID NOS: 29
SOPTWARE: FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TITLE OF INVENTION: Specific Mucin Expression TITLE OF INVENTION: for Pancreatic Cancer
                                                      APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF LIM DOMAIN KINASE 1 EXPRESSION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA ORGANISM: Artificial Sequence
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Wo. US20030134343A1
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Pred. No. 2
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Pred. No. 20
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FITLE OF INVENTION: ANTISENSE MODULATION OF LIM DOMAIN KINASE 1 EXPRESSION FITLE REFERENCE: RTS-0375; CURRENT APPLICATION UNMBER: US/10/199,199; CURRENT FILING DATE: 2002-07-18
SEQ ID NO 135
LENGTH: ^^
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                                                         ; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-181-846-155
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SEQ ID NO 70
                                                                                                                                                 SEQ ID NO 155
                                                                                                                                                                                                                                                                                                                              GENERAL INFORMATION:
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                              Query Match
                                                                                                                                                             PRIOR APPLICATION NUMBER: 09/490,692
PRIOR FILING DATE: 2000-01-24
NUMBER OF SEQ ID NOS: 176
                                                                                                                                                                                                        PRIOR APPLICATION NUMBER: PCT/US01/01416
PRIOR FILING DATE: 2001-01-16
                                                                                                                                                                                                                                                                   APPLICANT: Nicholas M. Dean
APPLICANT: Lex M. Cowsert
TITLE OF INVENTION: ANTIGENSE MODULATION OF
FILE REFERENCE: RTSP-0363
                                                                                                                                                                                                                                        CURRENT FILING DATE:
                                                                                                                                                                                                                                                     CURRENT APPLICATION NUMBER: US/10/181,846
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: DNA
ORGANISM: H. sapiens
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                                                                                                       ORGANISM: Artificial Sequence
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Local Similarity nes 16; Conserv
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 0.6%; Score 16; DB 1;
100.0%; Pred. No. 33;
ive 0; Mismatches
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Pred. No. 27
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Pred. No. 27;
0; Mismatches
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16 CTGAAGATGAAGATGA 1

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RESULT 63
US-09-866-108-8659
; Sequence 8659, Application US/09866108
; Patent No. US20020048800A1
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CURRENT FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR APPLICATION NUMBER: DC7/US01/00666
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: DC7/US01/00666
PRIOR FILING DATE: 2001-01-30
                                                                                                                                                                                                                                                                                                                                     PRIOR APPLICATION NUMBER: US 60/266,860
PRIOR FILING DATE: 2001-02-05
NUMBER OF SEQ ID NOS: 15752
SOFTWARE: Acomica Sequence Listing Engir
SEQ ID NO 929
LENGTH: 17
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Best Local S
                                                                                                                                                                                                 Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: PCT/USO1/00665
FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/USO1/00668
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FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00664
FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00669
FILING DATE: 2001-01-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00670
FILING DATE: 2001-01-30
APPLICATION NUMBER: US 60/234,687
FILING DATE: 2000-09-21
                                                                                                                                                           1264 AGCTGGAAGAGGCTGAG 1280
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FILING DATE: 2001-01-30
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16; Conserv
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ENTION: MYOSIN-LIKE GENE EXPRESSED
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20020048800A1
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L, David K.
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Pred. No. 2
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RESULT 64
US-09-780-533A-2359
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; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-8659
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PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/USO1/00667

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/USO1/00664

PRIOR FILING DATE: 2001-01-30

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/USO1/00669

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/USO1/00665

PRIOR APPLICATION NUMBER: PCT/USO1/00665

PRIOR FILING DATE: 2001-01-30

PRIOR FILING DATE: 2001-01-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Matches 1
                                                                                                                                                        GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc
APPLICANT: Blatt, Larry
                                                                                                                                                                                                                            Sequence 2359, Application US/09780533A Publication No. US20030060611A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQ ID NO 8659
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
APPLICANT: McSwiggen, Jim
APPLICANT: Chowrira, Bharat
APPLICANT: Habberli, Pette
TITLE OF INVENTION: Method and Reagent for the Inhibition
FILE REFERENCE: MBHB00,878-A (400/011)
CURRENT APPLICATION NUMBER: US/09/780,533A
CURRENT FILING DATE: 2001-02-09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CURRENT FILING DATE: 2001-05-25 PRIOR APPLICATION NUMBER: US 60/207,456
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CURRENT APPLICATION NUMBER: US/09/866,108
CURRENT FILING DATE: 2001-05-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SOFTWARE: Aeomica Sequence Listing Engine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRIOR FILING DATE: 2000-09-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRIOR APPLICATION NUMBER: GB 24263.6 PRIOR FILING DATE: 2000-10-04
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TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT:
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APPLICANT: JI, Yonggang
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APPLICATION NUMBER: PCT/US01/00663
FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00662
FILING DATE: 2001-01-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00670
FILING DATE: 2001-01-30
APPLICATION NUMBER: US 60/234,687
FILING DATE: 2000-09-21
                                                                                                                                                                                                                                                                                                                                                                                                             1529 GCTGGAGGAGGCCAAGA 1545
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il Similarity 94.1%;
16; Conservative
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L, David
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Pred. No. 28
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US-09-969-373-3292
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; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-780-533A-2359
                                                                              Sequence 3292, Application US/09969373
Patent No. US30020113852A1
GENERAL INFORMATION:
APPLICANT: Effertz, Roger J.
APPLICANT: Hauge, Brian M.
                                                                                                                                                                                                                                                                                                                                                            Query Match 0.6%;
Best Local Similarity 94.1%;
                                                                                                                                                                                                                                                                                                                                              Matches
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Best Local Similarity
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APPLICANT: Zhang, Jian
TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
APPLICANT: Hauge, Brian M.
TITLE OF INVENTION: Soybean SSRs and Methods of Genotyping FILE REFERENCE: 38-10(52679)A
CURRENT APPLICATION NUMBER: US/09/969,373
CURRENT FILING DATE: 2001-10-02
                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH: 17
TYPE: DNA
ORGANISM: Homo sapiens
-10-060-756A-171
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PRIOR FILING DATE: 2000-02-11
NUMBER OF SEQ ID NOS: 6679
SOFTWARE: PatentIn version 3.0
SEQ ID NO 2359
LENGTH: 17
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PRIOR FILING DATE: 2001-10-09
NUMBER OF SEQ ID NOS: 4804
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FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00663
FILING DATE: 2001-01-30
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FILING DATE: 2001-01-30
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o. US20030046717A1
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Pred. No. 28
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Pred. No. 2
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US-10-253-967-39
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Publication No. US20030165925A1
GENERAL INFORMATION:
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SEQ ID NO 44
LENGTH: 18
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                                                                                            SOFTWARE: PatentIn version 3.1 SEQ ID NO 39
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Best Local Similarity
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LENGTH: 18
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Best Local Similarity 88.9%;
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                                                                                                                                  PRIOR APPLICATION NUMBER: US 60/324,421
PRIOR FILING DATE: 2001-09-24
NUMBER OF SEQ ID NOS: 53
                                                                                                                                                                                            TITLE OF INVENTION: DIAGNOSTIC PROBE DETECTION SYSTEM FILE REFERENCE: 27978/37504A CURRENT APPLICATION NUMBER: US/10/253,967 CURRENT FILING DATE: 2002-09-24
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PRIOR FILING DATE: 2000-11-15
NUMBER OF SEQ ID NOS: 46
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PRIOR FILING DATE: 2001-01-05
PRIOR APPLICATION NUMBER: US 09/760,427
PRIOR FILING DATE: 2001-01-13
PRIOR APPLICATION NUMBER: US 09/855,768
PRIOR FILING DATE: 2001-05-15
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CURRENT FILING DATE: 2002-12-06
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TITLE OF INVENTION: NOVEL POLYMORPHIC MICROSATELLITE MARKERS IN THE HUMAN MHC CLASS I
FILE REFERENCE: 06501-069001
                                                                                                                                                                                                                                                                          APPLICANT: SAITO et al.
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APPLICANT: Gen, Tamiya
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORGANISM: Homo sapiens
                  ORGANISM: Artificial sequence FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: DNA
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OTHER INFORMATION: Probe, DQ33
                                                          TYPE: DNA
                                                                             ENGTH: 18
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Pred. No. 4
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Pred. No. 33;
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, OTHER INFORMATION: Antisense Oligonucleotide US-10-199-199-70
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US-10-199-199-70
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US-10-178-325-107
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PRIOR FILING DATE: 1998-09-18
PRIOR APPLICATION NUMBER: 09/156,979
PRIOR FILING DATE: 1998-09-18
PRIOR FILING DATE: 1998-09-18
PRIOR FILING DATE: 1998-09-18
PRIOR FILING DATE: 1998-09-18
PRIOR APPLICATION NUMBER: 09/161,015
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Publication No. US20040014047A1
GENERAL INFORMATION:
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SEQ ID NO 107
LENGTH: 18
                                                                                                                   NUMBER OF SEQ ID NOS: 148
SEQ ID NO 70
LENGTH: 20
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Best Local Similarity
Query Match
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                                                                                                                                                                    CURRENT FILING DATE: 2002-07-18
                                                                                                                                                                                                        APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF LIM DOMAIN KINASE 1 EXPRESSION
FILE REFERENCE: RTS-0375
                                                                                                                                                                                                                                       APPLICANT: Lex M. Cowsert APPLICANT: Kenneth W. Do
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CURRENT FILING DATE: 2002-06-21
PRIOR APPLICATION NUMBER: US/09/387,341
PRIOR FILING DATE: 1999-08-31
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IIIIE OF INVENTION: Antisense Modulation of Human Rho Family Gene
IIILE OF INVENTION: Expression
ILE REFERENCE: ISPH-0404
                                                                       TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ORGANISM: Artificial Sequence FEATURE:
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                                                                   FEATURE:
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Pred. No. 44;
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PRIOR PRIOR DATE: 2000-05-26
PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRI
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TYPE: DNA
ORGANISM: H. sapiens
FEATURE:
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CURRENT APPLICATION NUMBER: US/10/199,199
CURRENT FILING DATE: 2002-07-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CURRENT APPLICATION NUMBER: US/09/866,108
CURRENT FILING DATE: 2001-05-25
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ITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART
'ILE REFERENCE: ADOMICA-7
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ENGTH: 20
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OR FILING DATE: 2001-01-30
OR APPLICATION NUMBER: PCT/US01/00664
OR FILING DATE: 2001-01-30
OR APPLICATION NUMBER: PCT/US01/00669
OR FILING DATE: 2001-01-30
OR APPLICATION NUMBER: PCT/US01/00665
OR APPLICATION NUMBER: PCT/US01/00665
OR FILING DATE: 2001-01-30
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Local Similarity 88.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US 60/236,359
FILING DATE: 2000-09-27
APPLICATION NUMBER: PCT/US01/00666
FILING DATE: 2001-01-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: GB 24263.6 FILING DATE: 2000-10-04
APPLICATION NUMBER: PCT/US01/00662
                                                                       APPLICATION NUMBER: PCT/US01/00663
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FILING DATE: 2001-01-30
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David K.
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Pred. No. 6
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LENGTH: 17
TYPE: DNA
ORGANISM: Homo sapiens
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PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: US 60/234,687
PRIOR FILING DATE: 2000-09-21
PRIOR PPLICATION NUMBER: US 60/266,860
PRIOR PPLICATION NUMBER: US 60/266,860
PRIOR PILING DATE: 2001-02-05
PRIOR PILING DATE: 2001-02-05
PRIOR PILING DATE: 2001-02-05
                                                           PRIOR APPLICATION NUMBER: PCT/US01/00661
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00670
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: US 60/234,687
PRIOR FILING DATE: 2000-09-21
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PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: GG 24263.6
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 000867.00067.359
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NPPLICANT: CHEN, Wensheng
NPPLICANT: SHANNON, Mark
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
TILE REFERENCE: AEOMICA-7
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APPLICATION NUMBER: PCT/US01/00666
FILING DATE: 2001-01-30
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FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00664
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FILING DATE: 2001-01-30
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APPLICATION NUMBER: PCT/US01/00663
FILING DATE: 2001-01-30
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FILING DATE: 2001-01-30
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APPLICATION NUMBER: PCT/US01/00669
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APPLICATION NUMBER: PCT/US01/00661
FILING DATE: 2001-01-30
                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: PCT/US01/00668
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US20020048800A1
ICATION NUMBER: US 60/266,860
NG DATE: 2001-02-05
SEQ ID NOS: 15752
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PENN, Sharron G.
HANZEL, David K.
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Pred. No. 46;
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US-09-866-108-2617; Sequence 2617, Application US/09866108; Patent No. US20020048800A1
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Query Match
Best Local Similarity
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                                                                                               ; ORGANISM: Homo US-09-866-108-2617
                                                                                                                                                   PRIOR APPLICATION NUMBER: US 60/266,860
PRIOR FILING DATE: 2001-02-05
NUMBER OF SEQ ID NOS: 15752
SOFTWARE: Aeomica Sequence Listing Engi-
SEQ ID NO 2617
LENGTH: 17
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Best Local Similarity 93.8%;
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CURRENT FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
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TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED FILE REPERCE: AEOMICA-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
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PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
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                                                                                                                                                                                                                                                                       APPLICATION NUMBER: US 60/234,687 FILING DATE: 2000-09-21
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APPLICATION NUMBER: PCT/US01/00670
FILING DATE: 2001-01-30
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APPLICATION NUMBER: PCT/US01/00669
FILING DATE: 2001-01-30
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APPLICATION NUMBER: PCT/US01/00663
FILING DATE: 2001-01-30
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FILING DATE: 2001-01-30
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                                     93.8%;
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                    Score 14.4;
Pred. No. 46;
0; Mismatches
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Pred. No. 4
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1840 TCTCAGAGAGCGAGGA 1855

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TCTCAGAGAGCGAGCA 17

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RESULT 76
US-09-866-108-6391
; Sequence 6391, Application US/09866108
; Patent No. US20020048800A1
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PRIOR FILING DATE: 2000-05-26
PRIOR PPLICATION NUMBER: GB 24263.6
PRIOR PILING DATE: 2000-10-04
PRIOR PPLICATION NUMBER: US 60/236,359
PRIOR PPLICATION NUMBER: PCT/US01/00666
PRIOR PPLICATION NUMBER: PCT/US01/00667
PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR APPLICATION NUMBER: PCT/US01/00665
                                                                                                                                                                                                                                                                                                                                  ; ORGANISM: Homo sapiens
US-09-866-108-2618
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SEQ ID NO 2618
LENGTH: 17
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Best Local Similarity
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APPLICANT: JI
APPLICANT: PE
APPLICANT: HA
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NUMBER OF SEQ ID NOS: 15752
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CURRENT APPLICATION NUMBER: US/09/866,108
CURRENT FILING DATE: 2001-05-25
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itent No. US20020048800A1
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PPLICANT: CHEN, Wensheng

PPLICANT: SHANNON, MAXK

ITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
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FILING DATE: 2000-09-21
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PLICATION NUMBER: PCT/US01/00668
LING DATE: 2001-01-30
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ilarity 93.8%;
Conservative (
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L, David K.
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Pred. No. 4
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RESULT 77
US-09-866-108-6392
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; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-6391
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CURRENT FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR APPLICATION NUMBER: PCT/US01/00667
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PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR APPLICATION NUMBER: PCT/US01/00669
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PRIOR APPLICATION NUMBER: PCT/US01/00665
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Best Local S
Matches 15
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SOFTWARE: Aeomica Sequence
SEQ ID NO 6391
                                                                                                                                                                                                            GENERAL
                                                                                                                                                                                                                              Sequence 6392, Application US/09866108 Patent No. US20020048800A1
APPLICANT: SHANNON, MAXK
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEOMICA-7
                                                                                                                                      APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRIOR APPLICATION NUMBER: US 60/266,860 PRIOR FILING DATE: 2001-02-05
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FILE REFERENCE: AEOMICA-7
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FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00663
FILING DATE: 2001-01-30
FILING DATE: 2001-01-30
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DENN, Sharron G.
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15; Conserv
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INVENTION: MYOSIN-LIKE GENE EXPRESSED IN
                                                                 PENN, Sharron G.
HANZEL, David K.
RANK, David R.
CHEN, Wensheng
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David R.
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93.8%; Pred. No. 46;
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CURRENT APPLICATION NUMBER: US/09/866,108
CURRENT FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
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LENGTH: 17
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SOFTWARE: Aeomica Sequence
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CURRENT FILING DATE: 2001-05-25
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PRIOR FILING DATE: 2000-05-26
                                                                                                                                                                                                                    LICANT: SHANNON, Mark
LE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Local
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APPLICATION NUMBER: US 60/266,860
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APPLICATION NUMBER: PCT/US01/00669
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APPLICATION NUMBER: PCT/US01/00666
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l Similarity 93.8%;
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CHEN, Wensheng
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HANZEL, David K.
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Pred. No. 46;
0; Mismatches 1;
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Best Local S
Matches 15
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SOFTWARE: Aeomica Sequence Listing Engine
SEQ ID NO 8658
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PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
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APPLICANT: JI, Yongga
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ILLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED
FILE REFERENCE: ABOMICA-7
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                     DR FILING DATE: 2001-01-30

DR APPLICATION NUMBER: PCT/US01/00664

DR FILING DATE: 2001-01-30

DR APPLICATION NUMBER: PCT/US01/00669

DR FILING DATE: 2001-01-30

DR PELICATION NUMBER: PCT/US01/00665

DR APPLICATION NUMBER: PCT/US01/00665

DR FILING DATE: 2001-01-30
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FILING DATE: 2000-09-2/
APPLICATION NUMBER: PCT/US01/00666
APPLICATION STATE: 2001-01-30 Html/00667
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FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00664
FILING DATE: 2001-01-30
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FILING DATE: 2001-01-30
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APPLICATION NUMBER: PCT/US01/00668
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FILING DATE: 2001-01-30
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FILING DATE: 2001-01-30
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: 2001-01-30
NUMBER: PCT/US01/00668
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; TYPE: DNA; Homo sapiens; ORGANISM: Homo sapiens
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US-09-825-805-668/c
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PRIOR FILING DATE: 2000-05-23
PRIOR APPLICATION NUMBER: 09/476,387
PRIOR APPLICATION NUMBER: 09/474,432
PRIOR FILING DATE: 1999-12-29
PRIOR FILING DATE: 1999-12-29
PRIOR APPLICATION NUMBER: 09/301,511
PRIOR FILING DATE: 1999-04-28
PRIOR APPLICATION NUMBER: 09/186,675
PRIOR APPLICATION NUMBER: 09/186,675
                                                                                                                                                                       SOFTWARE: PatentIn version 3.0
SEQ ID NO 668
LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
                                                               Query Match

Best Local Similarity 93.8

Matches 15; Conservative
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Best Local Similarity 93.8%;
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PRIOR APPLICATION NUMBER: 60/064,866
PRIOR FILING DATE: 1997-11-05
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TITLE OF INVENTION: Nuclectide Triphosphate and their Incorporation into Oligonuclect
FILE REFERENCE: MBHB00-831-F (400/009)
CURRENT APPLICATION NUMBER: US/09/825,805
CURRENT FILING DATE: 2001-09-27
                                                                                                                                                                                                                                                                                           NUMBER OF SEQ ID NOS: 1558
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APPLICANT: Beigelman, Leo
APPLICANT: Beaudry, Amber
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PRIOR APPLICATION NUMBER: PCT/US01/00661
PRIOR FILING DATE: 2001-01-30
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FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00662
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APPLICATION NUMBER: 60/083,727
1266 CTGGAAGAGGCTGAGG 1281
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Beaudry, Amber
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Adamic, Jasenka Matulic
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                                                                                     93.8%;
                                                               Score 14.4; DE Pred. No. 46; 0; Mismatches
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Pred. No. 4
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; ORGANISM: Homo sapiens US-09-818-875-916
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US-09-818-875-915
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PRIOR FILLING DATE: 2000-03-27
PRIOR PELICATION NUMBER: US 60/192,179
PRIOR FILLING DATE: 2000-03-27
PRIOR FILLING DATE: 2000-03-27
PRIOR APPLICATION NUMBER: US 60/208,538
PRIOR FILLING DATE: 2000-06-01
PRIOR FILLING DATE: 2000-10-30
PRIOR FILLING DATE: 2000-10-30
PRIOR FILLING DATE: 2000-10-30
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PRIOR FILING DATE: 2000-03-27
PRIOR APPLICATION NUMBER: US 60/192,179
PRIOR FILING DATE: 2000-03-27
PRIOR APPLICATION NUMBER: US 60/208,538
PRIOR APPLICATION NUMBER: US 60/204,538
PRIOR APPLICATION NUMBER: US 60/244,989
PRIOR APPLICATION NUMBER: US 60/244,989
PRIOR FILING DATE: 2000-10-30
                                                                                                                                                             NUMBER OF SEQ ID NOS: 4385
SOFTWARE: Friedman macro Napro4
SEQ ID NO 916
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Publication No. US20
GENERAL INFORMATION:
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Best Local
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LENGTH: 17
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                   Query Match
Best Local
  Matches
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CURRENT APPLICATION NUMBER: US/09/818,875
CURRENT FILING DATE: 2001-03-27
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CURRENT FILING DATE: 2001-03-27
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IIILE OF INVENTION: Stranded Oligonucleotides
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APPLICANT: Rice, M:
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1c. US20030051270A1
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                   0.6%; Score 14.4;
93.8%; Pred. No. 46;
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93.8%; Pred. No. 4
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; ORGANISM: Homo sapiens
US-09-818-875-924
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US-09-818-875-923
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PRIOR APPLICATION NUMBER: US 60/192,176
PRIOR FILING DATE: 2000-03-27
PRIOR APPLICATION NUMBER: US 60/192,179
PRIOR APPLICATION NUMBER: US 60/208,538
PRIOR FILING DATE: 2000-06-01
PRIOR FILING DATE: 2000-06-01
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CURRENT FILING DATE: 2001-03-27
PRIOR BODY TOWNS
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PRIOR FILING DATE: 2000-10-30
NUMBER OF SEC ID NOS: 4385
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CURRENT APPLICATION NUMBER: US/09/818,875
CURRENT FILING DATE: 2001-03-27
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PRIOR FILING DATE: 2000-03-27
PRIOR APPLICATION NUMBER: US 60/208,538
PRIOR FILING DATE: 2000-06-01
PRIOR APPLICATION NUMBER: US 60/244,989
PRIOR FILING DATE: 2000-10-30
PRIOR FILING DATE: 2000-10-30
PRIOR SEQ. ID NOS: 4385
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PRIOR APPLICATION NUMBER: US 60/192,176
PRIOR FILING DATE: 2000-03-27
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APPLICANT: Gamper, Howai
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Rice, Michael C.
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o. US20030051270A1
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Pred. No. 46;
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US-09-780-533A-2360
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APPLICANT: Chowrita, Bharat
APPLICANT: Chowrita, Bharat
APPLICANT: Haeberli, Pete
TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
FILE REFERENCE: MBHB00, 878-A (400/011)
CURRENT APPLICATION NUMBER: US/09/780,533A
CURRENT FILING DATE: 2001-02-09
PRIOR APPLICATION NUMBER: US 60/181,797
PRIOR APPLICATION NUMBER: US 60/181,797
SOFTWARE: DATE: 2000-02-11
NUMBER OF SEQ ID NOS: 6679
SOFTWARE: Patentin version 3.0
TENGTH-17
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APPLICANT: Chowrira, Bharat
APPLICANT: Haeberii, Pete
APPLICANT: Haeberii, Pete
FILE OF INVENTION: Mcthod and Reagent for the Inhibition of NOGO Gene
FILE REFERENCE: MBHB00,878-A (400/011)
CURRENT APPLICATION NUMBER: US/09/780,533A
CURRENT FILING DATE: 2001-02-09
ERIOR APPLICATION NUMBER: US 60/181,797
PRIOR FILING DATE: 2000-02-11
PRIOR FILING DATE: 2000-02-11
NUMBER OF SEQ ID NOS: 6679
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APPLICANT: Blatt, Larry
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ORGANISM: Homo sapiens
                                                                                                                              TYPE: RNA
ORGANISM: Homo sapiens
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Pred. No. 4
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Pred. No. 46;
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US-10-060-756A-170
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Best Local
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SEQ ID NO 170
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CURRENT APPLICATION NUMBER: US/10/060,756A
CURRENT FILING DATE: 2002-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR APPLICATION TO THE PRIOR APPLICATION NUMBER: PCT/US01/00667
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PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
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LE REFERENCE: PB0177
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OR FILING DATE: 2001-01-30
OR APPLICATION NUMBER: POT/US01/00663
OR FILING DATE: 2001-01-30
OR APPLICATION NUMBER: US 09/864,761
OR FILING DATE: 2001-05-23
OR APPLICATION NUMBER: US 60/327,898
OR APPLICATION NUMBER: US 60/327,898
OR PRILING DATE: 2001-05-23
                   OR APPLICATION NUMBER: PCT/US01/00668
OR FILING DATE: 2001-01-30
OR APPLICATION NUMBER: PCT/US01/00663
OR FILING DATE: 2001-01-30
OR APPLICATION NUMBER: US 09/864,761
OR FILING DATE: 2001-05-23
OR APPLICATION NUMBER: US 60/327,898
OR APPLICATION NUMBER: US 60/327,898
OR FILING DATE: 2001-10-09
DER OF SEQ ID NOS: 4804
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APPLICATION NUMBER: PCT/US01/00664
FILING DATE: 2001-01-30
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APPLICATION NUMBER: PCT/US01/00665
FILING DATE: 2001-01-30
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FILING DATE: 2001-01-30
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o. US20030046717A1
Sequence Listing Engine
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                                                                                                                   ; ORGANISM: Homo sapiens US-10-156-306-6015
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; ORGANISM: Homo sapiens
US-10-060-756A-172
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US-10-156-306-6015/c
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SOFTWARE: Patentin version 3.0
SEQ ID NO 338
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LENGTH: 17
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Best Local .
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                                                                                      Query Match
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APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: Nucleic acid treatment of diseases
TITLE OF INVENTION: HER2
FILE REFERENCE: MEHBO1-1653-A (400/014)
                                                                                                                                                                                              SOFTWARE: PatentIn version 3.0
                                                                                                                                                                                                            NUMBER OF SEQ ID NOS: 801
                                                                                                                                                                                                                            CURRENT APPLICATION NUMBER: US/10/156,306
CURRENT FILING DATE: 2002-05-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CURRENT APPLICATION NUMBER: US/10/163,552 CURRENT FILING DATE: 2002-06-06
                                                                                                                                               LENGTH: 17
TYPE: RNA
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TYPE: RNA
                                                                                                                                                                                                                                                           FILE REFERENCE: MBHB01-664-A (400/050)
                                                                                                                                                                                                                                                                      NITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases
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PPLICANT: McSwiggen, James
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                                                                                                                                                                                ID NO 6015
                                                                                                                                                                                                                                                                                                                                                     ication No.
                                                       Match 0.6%;
Local Similarity 93.8%;
es 15; Conservative
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                           1017 GGCCAGCACTCCCAGG 1032
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15; Conserv
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o. US20030105051A1
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93.8%; Pred. No. 4
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Pred. No. 4
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Pred. No. 4
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RESULT 92
US-10-209-787-916/c
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; ORGANISM: Homo sapiens
US-10-209-787-915
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PRIOR FILING DATE: 2001-03-27
PRIOR APPLICATION NUMBER: US 60/192,176
PRIOR APPLICATION NUMBER: US 60/192,179
PRIOR APPLICATION NUMBER: US 60/192,179
PRIOR FILING DATE: 2000-03-27
PRIOR APPLICATION NUMBER: US 60/208,538
PRIOR FILING DATE: 2000-06-01
PRIOR PPLICATION NUMBER: US 60/244,989
PRIOR APPLICATION NUMBER: US 60/244,989
PRIOR PILING DATE: 2000-10-30
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Query Match
Best Local Similarity
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Publication No.
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CURRENT APPLICATION NUMBER: US/10/209,787
CURRENT FILING DATE: 2002-07-30
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APPLICANT: Gamper, Howard B.

APPLICANT: Rice, Michael C.

TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single

TITLE OF INVENTION: Stranded Oligonucleotides
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CURRENT APPLICATION NUMBER: US/10/209,787
CURRENT FILING DATE: 2002-07-30
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APPLICANT: Gamper, Howard
APPLICANT: Rice, Michael C
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NUMBER OF SEQ ID NOS: 4385
                                                                                                                                                                                                          NUMBER OF SEQ ID NOS:
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ication No
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FILING DATE: 2000-03-27
APPLICATION NUMBER: US 60/208,538
FILING DATE: 2000-06-01
APPLICATION NUMBER: US 60/244,989
FILING DATE: 2000-10-30
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o. US20030217377A1
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93.8%; Pred. No. 4
0.6%;
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    Score 14.4; DB 1; Pred. No. 46;
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                     Length 17;
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TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single TITLE OF INVENTION: Stranded Oligonuclectides
FILE REFERENCE: Napro-4
CURRENT AppLICATION NUMBER: US/10/209,787
CURRENT FILING DATE: 2002-07-30
PRIOR APPLICATION NUMBER: US 9/818,875
PRIOR FILING DATE: 2001-03-27
PRIOR FILING DATE: 2000-03-27
PRIOR APPLICATION NUMBER: US 60/192,176
PRIOR APPLICATION NUMBER: US 60/192,179
PRIOR APPLICATION NUMBER: US 60/192,179
PRIOR FILING DATE: 2000-03-27
PRIOR APPLICATION NUMBER: US 60/208,538
PRIOR FILING DATE: 2000-60-01
PRIOR FILING DATE: 2000-06-01
PRIOR PRILING DATE: 2000-06-01
PRIOR FILING DATE: 2000-10-30
NUMBER OF SEQ ID NOS: 4385
SOFTWARE: Friedman macro Napro4
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US-10-209-787-923
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PRIOR FILING DATE: 2001-03-27
PRIOR APPLICATION NUMBER: US 60/192,176
PRIOR FILING DATE: 2000-03-27
PRIOR APPLICATION NUMBER: US 60/192,179
PRIOR APPLICATION NUMBER: US 60/208,538
PRIOR APPLICATION NUMBER: US 60/208,538
PRIOR FILING DATE: 2000-66-01
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SEQ ID NO 923
LENGTH: 17
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Best Local :
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CURRENT FILING DATE: 2002-07-39
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NUMBER OF SEQ ID NOS: 4385
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APPLICANT: Gamper, Howar
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Local Similarity 93.8%;
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Pred. No. 4
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US-10-261-185~915
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; ORGANISM: Homo sapiens
US-10-209-787-924
CURRENT APPLICATION NUMBER: US/10/261,185
CURRENT FILING DATE: 2002-09-27
PRIOR APPLICATION NUMBER: PCT/US01/09761
PRIOR FILING DATE: 2001-03-27
PRIOR APPLICATION NUMBER: US 60/192,176
PRIOR FILING DATE: 2000-03-27
PRIOR FILING DATE: 2000-03-27
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PRIOR FILING DATE: 2000-03-27
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Best Local Similarity
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LENGTH: 17
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Best Local Similarity
Matches 15; Conserv
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APPLICANT: Rice, Michael C.
TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
TITLE OF INVENTION: Stranded Oligonucleotides
FILE REFERENCE: NaPro-4CON
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CURRENT FILING DATE: 2002-09-27
CURRENT PRIOR APPLICATION NUMBER: PCT/US01/09761
PRIOR FILING DATE: 2001-03-27
PRIOR APPLICATION NUMBER: US 60/192,176
PRIOR FILING DATE: 2000-03-27
PRIOR FILING DATE: 2000-03-27
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SOFTWARE: Friedman macro Napro4
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PRIOR FILING DATE: 2000-03-27
PRIOR APPLICATION NUMBER: US 60/208,538
PRIOR FILING DATE: 2000-06-01
PRIOR APPLICATION NUMBER: US 60/244,989
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5. US20040014057A1
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Pred. No. 46;
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SOFTWARE: Frit
SEQ ID NO 923
FUNCTH: 17
                                                        GENERAL INFORMATION:
                                                                     Sequence 924, Application US/10261185 Publication No. US20040014057A1
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SEQ ID NO 916
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   APPLICANT: Kmiec, Eric B. APPLICANT: Gamper, Howar APPLICANT: Rice, Michael
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PRIOR FILING DATE: 2001-03-27
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PRIOR FILING DATE: 2000-06-01
PRIOR APPLICATION NUMBER: US 60/244,989
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TYPE: DNA
ORGANISM: Homo sapiens
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                                                                                                                                                                                                                                                                                                                          TYPE: DNA ORGANISM: Homo sapiens
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FILING DATE: 2000-06-01
APPLICATION NUMBER: US 60/244,989
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FILING DATE: 2000-03-27
APPLICATION NUMBER: US 60/192,179
FILING DATE: 2000-03-27
ADDITION NUMBER: UF 60/000 FILING DATE: 2000-03-27
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Gamper, Howard B.
Rice, Michael C.
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p. US20040014057A1
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Pred. No. 4
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Pred. No. 4
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CURRENT APPLICATION NUMBER: US/10/261,185

TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single TITLE OF INVENTION: Stranded Oligonucleotides FILE REFERENCE: NaPro-4CON

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; ORGANISM: Glycine max
US-09-969-373-2606
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; ORGANISM: Homo sapiens
US-10-261-185-924
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LENGTH: 18
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LENGTH: 17
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Best Local Similarity
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PRIOR FILING DATE: 2001-05-15
NUMBER OF SEQ ID NOS: 4593
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PRIOR FILING DATE: 2000-03-27
PRIOR APPLICATION NUMBER: US 60/192,179
PRIOR FILING DATE: 2000-03-27
PRIOR APPLICATION NUMBER: US 60/208,538
PRIOR FILING DATE: 2000-06-01
APPLICANT: Effertz, Roger J.
APPLICANT: Hauge, Brian M.
APPLICANT: Hauge, Brian M.
TITLE OF INVENTION: Soybean SSRs and Methods of Genotyping
FILE REFERENCE: 38-10(52679) A
CURRENT APPLICATION NUMBER: US/09/969,373
CURRENT FILING DATE: 2001_10-02
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CURRENT FILING DATE: 2001-10-02
PRIOR APPLICATION NUMBER: US 09/754,853
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APPLICANT: Hauge, Brian M.
TITLE OF INVENTION: Soybean SSRs and Methods of Genotyping
FILE REPERENCE: 38-10(52679)A.
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F SEQ ID NOS: 4385
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PRIOR APPLICATION NUMBER: US 09/855,768
PRIOR FILING DATE: 2001-05-15
NUMBER OF SEQ ID NOS: 4593
SEQ ID NO 4141
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRIOR APPLICATION NUMBER: US 09/760,427
PRIOR FILING DATE: 2001-01-13
PRIOR APPLICATION NUMBER: US 09/855,768
PRIOR FILING DATE: 2001-05-15
NUMBER OF SEQ ID NOS: 4593
SEQ ID NO 4139
LENGTH: 18
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                                                                                                                                                                                                                                                                                            Sequence 715, Application US/10005956 Publication No. US20030113726A1
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Best Local :
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                               PRIOR APPLICATION NUMBER: 60/251,015
PRIOR TILING DATE: 2000-12-04
PRIOR APPLICATION NUMBER: 60/263,678
PRIOR FILING DATE: 2001-01-23
PRIOR APPLICATION NUMBER: 60/273,037
PRIOR FILING DATE: 2001-03-02
NUMBER OF SEQ ID NOS: 1579
                                                                                                                                                                       APPLICANT: Bristol-Myers Squibb Company
TITLE OF INVENTION: HUMAN SINGLE NUCLEOTIDE POLYMORPHISMS
FILE REFERENCE: D0053NP
CURRENT APPLICATION NUMBER: US/10/005,956
CURRENT FILING DATE: 2001-12-03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Effertz, Roger J.
APPLICANT: Hauge, Brian M.
TITLE OF INVENTION: Soybean SSRs and Methods of Genotyping
FILE REFERENCE: 38-10(52679)A
CURRENT APPLICATION NUMBER: US/09/969,373
CURRENT FILING DATE: 2001-10-02
SOFTWARE: PatentIn version 3.0 SEQ ID NO 715
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION NUMBER: US 09/754,853
PRIOR FILING DATE: 2001-01-05
PRIOR APPLICATION NUMBER: US 09/760,427
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ORGANISM: Glycine max
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Pred. No. 5
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RESULT 104
US-09-993-731-62
; Sequence 62, Applicati
; Publication No. US2003
; Publication No. US2003
; GENERAL INFORMATION:
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CURRENT FILING DATE: 2001-12-03
PRIOR APPLICATION NUMBER: 60/251,015
PRIOR FILING DATE: 2000-12-04
PRIOR FILING DATE: 2000-12-04
PRIOR FILING DATE: 2001-03-03
PRIOR APPLICATION NUMBER: 60/263,678
PRIOR APPLICATION NUMBER: 60/263,678
PRIOR APPLICATION NUMBER: 60/273,037
PRIOR FILING DATE: 2001-03-02
PRIOR FILING DATE: 2001-03-02
PRIOR FILING DATE: 2001-03-02
SOPTWARE: PATENTIN VERSION 3.0
SEQ ID NO 779
SEQ ID NO 779
LENGTH: 18
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; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-005-956-715
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; ORGANISM: Homo sapiens
US-10-005-956-779
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Matches
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Best Local Similarity 93.8
Matches 15; Conservative
                                         Query Match
Best Local Similarity
Matches 15; Conserv
                                                                                                                                                                 APPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF INHIBITOR-KAPPA B-R EXPRESSION
FILE REFERENCE: RTS-0302
CURRENT APPLICATION NUMBER: US/09/993,731
CURRENT FILING DATE: 2001-11-13
NUMBER OF SEQ ID NOS: 89
SEQ ID NO 62
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                      OTHER INFORMATION: Antisense Oligonucleotide -09-993-731-62
                                                                                                                                                                                                                                                                                                                                    APPLICANT: Brett P. Monia APPLICANT: Andrew T. Wat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Bristol-Myers Squibb Company
TITLE OF INVENTION: HUMAN SINGLE NUCLEOTIDE POLYMORPHISMS
FILE REFERENCE: D0053NP
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                                                                                                                                                         FEATURE:
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775 CTGCCTTTGAGAAGAG 790
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vo. US20030105040A1
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o. US20030113726A1
                                                  Conservative
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93.8%; Pred. No. 5
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                                                                   0.6%; Score 14.4;
93.8%; Pred. No. 73;
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Pred. No. 5
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US-09-993-731-82
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CURRENT FILING DATE: 2001-11-13
NUMBER OF SEQ ID NOS: 89
SEQ ID NO 82
SEQ ID NO 82
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Best Local
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APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, Mark
APPLICANT: SHANNON, MARK
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED
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APPLICANT: Andrew T. Watt
TITLE OF INVESTIGN. ANTISENSE MODULATION OF INHIBITOR-KAPPA B-R EXPRESSION
FILE REFERENCE: RTS-0302
                                                                                                                                                                                                                                                                                                                                                                                                                                                            CURRENT APPLICATION NUMBER: US/09/866,108
CURRENT FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
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                                                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
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                                             APPLICATION NUMBER: PCT/US01/00668
FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00663
FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00662
FILING DATE: 2001-01-30
                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: PCT/US01/00667 FILING DATE: 2001-01-30
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APPLICATION NUMBER: PCT/US01/00669
FILING DATE: 2001-01-30
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1252 GGCTGCAGCAACAGCTGGA 1270
                                                                                                                                                                            FILING DATE: 2
                                                                                                                                                                                           APPLICATION NUMBER: PCT/US01/00665
                                APPLICATION NUMBER: PCT/US01/00661
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10. US20030105040A1
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RANK, David R.
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PENN, Sharron
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NUMBER: PCT/US01/00670
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Pred. No. 80;
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PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: US 60/234,687
PRIOR FILING DATE: 2000-09-21

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; ORGANISM: Homo sapiens
US-09-866-108-2615
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SOFTWARE: Aeomica Sequence Listing Engine SEQ ID NO 2616
LENGTH: 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Patent No.
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PRIOR FILING DATE: 2001-02-05
NUMBER OF SEQ ID NOS: 15752
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: GB 24263.6
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CURRENT FILING DATE: 2001-05-25
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: SHANNON, MARK
FITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
                                                                                       PRIOR FILING DATE: 2001-02-05
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APPLICATION NUMBER: US 60/236,359
FILING DATE: 2000-09-27
APPLICATION NUMBER: PCT/US01/00666
FILING DATE: 2001-01-30
FILING DATE: 2001-01-30
                                                                                                             APPLICATION NUMBER: US 60/234,687
FILING DATE: 2000-09-21
APPLICATION NUMBER: US 60/266,860
                                                                                                                                                                               FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00670
FILING DATE: 2001-01-30
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                                                                                                                                                                                                                                               FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00661
                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: PCT/US01/00662
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: PCT/US01/00669
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APPLICATION NUMBER: PCT/US01/00664
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                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: PCT/US01/00663
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APPLICATION NUMBER: PCT/US01/00668
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o. US20020048800A1
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PENN, Sharron G.
HANZEL, David K.
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APPLICANT: McSwiggen, Jim
APPLICANT: Chowrira, Bharat
APPLICANT: Chowrira, Bharat
APPLICANT: Chowrira, Bharat
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APPLICANT: Chowrira, Bharat
APPLICANT: McHood and Reagent for the Inh
IIILE OF INVENTION: Method and Reagent for the Inh
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IIILE OF INVENTION: Method and Reagent for the Inh
CURRENT APPLICATION NUMBER: US/09/181,797
PRIOR APPLICATION NUMBER: US 60/181,797
PRIOR APPLICANT.
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Publication No. US20030060611A1

GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, Jim
APPLICANT: Chowrira, Bharat
APPLICANT: Chowrira, Bharat
CINTLE OF INVENTION: Mcthod and Reagent for the Inhibition of NOGO Gene
FILE REFERENCE: MBHB00, 878-A (400/011)
CURRENT APPLICATION NUMBER: US/09/780,533A
CURRENT PILING DATE: 2001-02-09
FRIOR APPLICATION NUMBER: US 60/181,797
PRIOR FILING DATE: 2000-02-1
NUMBER OF SEQ ID NOS: 6679
SOFTWARE: Patentin version 3.0

LENGTH: 178
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US-09-780-533A-2096
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                                                                                                                                            US-09-780-533A-2368
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Best Local Similarity 100.
Matches 14; Conservative
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Best Local Similarity 100.0%; F
Matches 14; Conservative 0;
Query Match 0.6%; So
Best Local Similarity 100.0%; I
Matches 14; Conservative 0;
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                                                                                                                                                                             TYPE: RNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                            LENGTH:
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on No. US20030060611A1
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00.0%; Pred. No.
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Pred. No.
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Gaps

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PRIOR APPLICATION NUMBER: GB 24263.6

PRIOR PILING DATE: 2000-10-04

PRIOR APPLICATION NUMBER: US 60/236,359

PRIOR PILING DATE: 2000-09-27

PRIOR APPLICATION NUMBER: PCT/US01/00666

PRIOR PILING DATE: 2001-01-30

PRIOR PILING DATE: 2001-01-30

PRIOR PILING DATE: 2001-01-30
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              PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR PILING DATE: 2001-01-30
PRIOR PELICATION NUMBER: PCT/US01/00669
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
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LENGTH: 17
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Best Local :
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-09-780-533A-2369
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TITLE OF INVENTION: Method and Reagent for
FILE REFERENCE: MBHB00,878-A (400/011)
CURRENT APPLICATION NUMBER: US/09/780,533A
CURRENT FILLING DATE: 2001-02-09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 09-866-108-927
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PRIOR FILING DATE: 2000-05-26
                                                                                                                                                                                                                                                                                                                                                                                                                                      FILE REFERENCE: AEOMICA-7
CURRENT APPLICATION NUMBER: US/09/866,108
CURRENT FILING DATE: 2001-05-25
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.ication No. US20030060611A1
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US201
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INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
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20020048800A1
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L, David K.
NUMBER: PCT/US01/00663
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US-09-866-108-927
                                        FILE REFERENCE APOLICATION NUMBER: US/09/866,108
CURRENT APPLICATION NUMBER: US/09/866,108
CURRENT FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILLING DATE: 2000-05-26
PRIOR FILLING DATE: 2000-10-04
PRIOR PRILING DATE: 2000-10-04
PRIOR PRILING DATE: 2000-09-27
PRIOR PRILING DATE: 2001-01-30
PRIOR PRILING DATE: 2001-01-30
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PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR APPLICATION NUMBER: PCT/US01/00668
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PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR PRILING DATE: 2001-01-30
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SEQ ID NO 927
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Patent No. US20020048800A1
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FITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
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TYPE: DNA
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OR APPLICATION NUMBER: PCT/US01/00662
OR FILING DATE: 2001-01-30
OR APPLICATION NUMBER: PCT/US01/00661
OR FILING DATE: 2001-01-30
OR APPLICATION NUMBER: PCT/US01/00670
OR APPLICATION NUMBER: PCT/US01/00670
OR FILING DATE: 2001-01-30
OR APPLICATION NUMBER: US 60/234,687
OR FILING DATE: 2000-09-21
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APPLICATION NUMBER: US 60/234,687 FILING DATE: 2000-09-21
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NN, Sharron G.
NZEL, David K.
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Pred. No. 62;
0; Mismatches
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1293 CAGGGTGCCATGGTCAT 1309

1 CAGGGTGCCATGGAGAT 17

TYPE: DNA ORGANISM: Homo sapiens -09-866-108-2593

PRIOR FILING DATE: 2001-02-05 NUMBER OF SEQ ID NOS: 15752 SOFTWARE: Aeomica Sequence Listing Engine EQ ID NO 2593 LENGTH: 17

US-09-866-108-6611/c

INFORMAT: 6611,

611, Application US/09866108 US20020048800A1

PPLICANT:

HANZEL, David RANK, David R. JI, Yonggang PENN, Sharron G. HANZEL, David K.

CHEN, Wensheng

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; ORGANISM: Homo US-09-866-108-6611
Query Match
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PRIOR FILING DATE: 2000-05-26
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CURRENT FILING DATE: 2001-05-25
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TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEOMICA-7
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NUMBER OF SEQ ID NOS: 15752
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PRIOR APPLICATION NUMBER: US 60/266,860
PRIOR FILING DATE: 2001-02-05
                                                                                     TYPE: DNA
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FILING DATE: 2001-01-30
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APPLICATION NUMBER: US 60/236,359
FILING DATE: 2000-09-27
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RESULT 115 US-09-866-108-7854/c

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SOFTWARE: Acomica Sequence Listing Engine
SEQ ID NO 6612
LENGTH: 17
                                                              Matches
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Best Local
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PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-0-0-7
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PRIOR FILING DATE: 2000-05-26
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APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, MATK
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART
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                                                                                                                                                                 TYPE: DNA
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APPLICATION NUMBER: US 60/266,860
FILING DATE: 2001-02-05
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APPLICATION NUMBER: PCT/US01/00666
FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00667
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APPLICATION NUMBER: PCT/US01/00669
FILING DATE: 2001-01-30
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HANZEL, David
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Pred. No. 62
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; ORGANISM: Homo sapiens
US-09-866-108-7854
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US-09-866-108-7855/c
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SOFTWARE: Aecmica Sequence Listing Engine
SEQ ID NO 7854
LENGTH: 17
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Best Local Similarity 88.2%;
Matches 15; Conservative
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                                                                            APPLICANT:
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PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR APPLICATION NUMBER: PCT/US01/00669
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CURRENT APPLICATION NUMBER: US/09/866,108
CURRENT FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
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PRIOR APPLICATION NUMBER: US 60/266,860
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PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
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PRIOR FILING DATE: 2001-01-30
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INVENTION: MYOSIN-LIKE GENE EXPRESSED
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PENN, Sharron G.
HANZEL, David K.
RANK, David R.
CHEN, Wensheng
SHANNON, Mark
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HANZEL, David K.
                                                                      JI, Yonggang
PENN, Sharron
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NN, Sharron
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Pred. No. 62;
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; TYPE: DNA
; CRGANISM: Homo sapiens
US-09-866-108-7855
CURRENT APPLICATION NUMBER: US/09/866,108
CURRENT FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR APPLICATION NUMBER: US 60/236,359
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PRIOR APPLICATION NUMBER: US 60/236,359
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PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
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TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED
FILE REFERENCE: AEOMICA-7
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CURRENT FILING DATE: 2001-05-25
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APPLICATION NUMBER: PCT/US01/00664
FILING DATE: 2001-01-30
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FILING DATE: 2001-01-30
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PENN, Sharron
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0020048800A1
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Pred. No. 6
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; ORGANISM: Homo sapiens
US-09-866-108-8082
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SEQ ID NO 8082
LENGTH: 17
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CURRENT FILING DATE: 2001-05-25
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ITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED
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APPLICATION NUMBER: PCT/US01/00665
FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00668
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FILLIG DATE: 2000-10-04
APPLICATION NUMBER: US 60/236,359
FILING DATE: 2000-09-27
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APPLICATION NUMBER: US 60/266,860
FILING DATE: 2001-02-05
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APPLICATION NUMBER: PCT/US01/00669
FILING DATE: 2001-01-30
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APPLICATION NUMBER: PCT/US01/00670
FILING DATE: 2001-01-30
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APPLICATION NUMBER: PCT/US01/00661
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APPLICATION NUMBER: PCT/US01/00667
FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00664
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PENN, Sharron G.
HANZEL, David K.
RANK, David R.
CHEN, Wensheng
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NUMBER: PCT/US01/00665; 2001-01-30
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Pred. No. 62;
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; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-8648
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Patent No. 1
GENERAL INFO
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PRIOR APPLICATION NUMBER: US 60/266,860
PRIOR FILING DATE: 2001-02-05
NUMBER OF SEQ ID NOS: 15752
SOFTWARE: Aecmica Sequence Listing EngiseQ ID NO 8648
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Best Local Similarity 88.2%;
Matches 15; Conservative
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APPLICANT: JI, Yonggan
APPLICANT: PENN, Shar:
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PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
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PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
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PRIOR APPLICATION NUMBER: PCT/US01/00667
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ITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED
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FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00661
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APPLICATION NUMBER: PCT/US01/00670
FILING DATE: 2001-01-30
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FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00662
FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00661
FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00670
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FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00663
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FILING DATE: 2001-01-30
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Pred. No. 62;
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LENGTH: 17
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PRIOR FILING DATE: 2001-02-05
NUMBER OF SEQ ID NOS: 15752
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NUMBER OF SEQ ID NOS: 15752
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PRIOR FILING DATE: 2000-09-21
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PRIOR FILING DATE: 2001-02-05
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PRIOR FILING DATE: 2000-09-27
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ORGANISM: Homo sapiens
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APPLICATION NUMBER: PCT/US01/00664
APPLICATION 2001-01-30
PTI-TNG DATE: 2001-01-30
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                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00669
FILING DATE: 2001-01-30
FILING DATE: 2001-01-30
                                                                                                                                                                                                        APPLICATION NUMBER: PCT/US01/00661
FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00670
FILING DATE: 2001-01-30
                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: PCT/US01/00668 FILING DATE: 2001-01-30 APPLICATION NUMBER: PCT/US01/00663
                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: PCT/US01/00665
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                                                                                                                                                                                                                                                                                                                                                                                                                     LING DATE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RANK, David R. CHEN, Wensheng
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ilarity 88.2%;
Conservative
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Pred. No. 62;
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US-09-864-785-1560/c

Sequence 1560, Application US/09864785 Patent No. US20020177568A1

GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals, Inc APPLICANT: Stinchcomb, Dan APPLICANT: Draper, Ken

RESULT 122

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SEQUENCE DESCRIPTION: SEQ ID NO:
US-09-860-784-28
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Best Local
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Best Local
                                                           Matches
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INFORMATION FOR SEQ ID NO: 28:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                              ZIP: 20007-5109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/860,784
FILING DATE: 21-May-2001
CLASSIFICATION: CURKNOWN>
                                                                        Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1445 GGCCACCACTGGGAG 1461
                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: 08/594,452
FILING DATE: 04-APR-1996
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      UHLMANN, EUGEN TITLE OF INVENTION: G CAP-STABILIZED OLIGONUCLEOTIDES NUMBER OF SEQUENCES: 105
                                                                                                                                                                                                                                                             TELECOMMUNICATION INFORMATION:
TELEPHONE: (202)672-5300
TELEFAX: (202)672-5399
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CORRESPONDENCE ADDRESS:
ADDRESSEE: Foley & Lardner
                            1775 GGAGGAGGCGGAGGAGG 1791
                                                                                                                                                                                                                                                                                                                                                                                                        PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: PEYMAN, Anuschirwan
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                                                         1 Similarity
15; Conserv
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                                                                                                                                                                LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
GGAGGATGCTGAGGAGG 17
                                                                                                                                                                                                                                                                                                           REGISTRATION NUMBER: 31,298
REFERENCE/DOCKET NUMBER: 18748/264/HOCE
                                                                                                                                                                                                                                                                                                                          NAME: SANDERCOCK, COL
REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CITY: Washington
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Pred. No. 62;
                                                                          Score 13.8;
Pred. No. 6
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                             S
                                                                                                                                   ; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-825-805-667
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                                                                                                                                                                                     SOFTWARE: Pate
SEQ ID NO 667
SEQ TH: 17
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Sweedler, Dave
APPLICANT: Zinnen, Shawn
TITLE OF INVENTION: Nucleotide Triphosphate and their Incorporation into Oligonucleot
FILE REFERENCE: MBHB00-831-F (400/009)
CURRENT APPLICATION NUMBER: US/09/825,805
CURRENT FILING DATE: 2001-09-27
                                                                                                                                                                                                                                        NUMBER OF SEQ ID NOS: 1558
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TYPE: RNA
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                                                                                    Local
                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: 09/474,432
FILING DATE: 1999-12-29
APPLICATION NUMBER: 09/301,511
FILING DATE: 1999-04-28
APPLICATION NUMBER: 09/186,675
FILING DATE: 1998-11-04
                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: 60/083,727
FILING DATE: 1998-04-29
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                                  1268 GGAAGAGGCTGAGGGCA 1284
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                                                                                    Similarity
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Beaudry, Amber
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                                                                     Conservative
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                                                                                  0.5%;
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Pred. No. 62;
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Pred. No. 62;
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RESULT 124

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CURRENT FILING DATE: 2001-03-27
PRIOR APPLICATION NUMBER: US 60/192,176
PRIOR FILING DATE: 2000-03-27
PRIOR APPLICATION NUMBER: US 60/192,179
PRIOR FILING DATE: 2000-03-27
PRIOR APPLICATION NUMBER: US 60/208,538
PRIOR APPLICATION NUMBER: US 60/244,989
PRIOR FILING DATE: 2000-10-30
PRIOR FILING DATE: 2000-10-30
PRIOR FILING DATE: 2000-10-30
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GENERAL INFORMATION:
APPLICANT: Kmiec, Eric B.
APPLICANT: Gamper, Howard B.
APPLICANT: Rice, Michael C.
TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
TITLE OF INVENTION: Stranded Oligonucleotides
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SOFTWARE: Friedman macro N
SEQ ID NO 928
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SEQ ID NO 927
                                             Matches
                                                                   Query Match
Best Local
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PRIOR FILING DATE: 2000-03-27
PRIOR APPLICATION NUMBER: US 60/208,538
                                                                                                                                                                                                                                                                                                                                                                                                 FILE REFERENCE: Napro-4
CURRENT APPLICATION NUMBER: US/09/818,875
CURRENT FILING DATE: 2001-03-27
PRIOR APPLICATION NUMBER: US 60/192,176
PRIOR FILING DATE: 2000-03-27
PRIOR FILING DATE: 2000-03-27
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APPLICANT: Rice, Michael C.
TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
TITLE OF INVENTION: Stranded Oligonucleotides
                                                                                                                                                                    LENGTH: 17
                                                                                                                                                                                                                                                                            PRIOR FILING DATE:
                                                                                                                                                                                                                                                                                                PRIOR APPLICATION NUMBER: US 60/244,989
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                                                                                                                                                  ORGANISM: Homo sapiens
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    1264 AGCTGGAAGAGGCTGAG 1280
                                          l Similarity
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o. US20030051270A1
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Pred. No. 62;
0; Mismatches
                                             0;
                                                                 Score 13.8;
Pred. No. 6
                                                 Mismatches
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RESULT 128
US-09-780-533A-2361
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US-09-780-533A-2358
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; ORGANISM: Homo sapiens
US-09-780-533A-899
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Sequence 2361, Application US/09780533A Publication No. US20030060611A1 GENERAL INFORMATION:
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Best Local Similarity
Matches 15; Conserv
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Best Local Similarity 88.2%;
Matches 15; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Haeberli, Pete TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO FILE REFERENCE: MEHBO0,878-A (400/011)

CURRENT APPLICATION NUMBER: US/09/780,533A

CURRENT FILING DATE: 2001-02-09

PRIOR APPLICATION NUMBER: US 60/181,797

PRIOR APPLICATION NUMBER: US 60/181,797

PRIOR FILING DATE: 2000-02-11

NUMBER OF SEQ ID NOS: 6679
                                                                                                                                                                                                                                                                                                                                                           APPLICANT: McSwiggen, jim
APPLICANT: Chowrira, Bharat
APPLICANT: Chowrira, Bharat
APPLICANT: Haeberli, pette
TITLE OF INVENTION: Method and Reagent for the Inhibition of NGGO Gene
TITLE OF INVENTION NUMBER: US/09/780,533A
CURRENT APPLICATION NUMBER: US/09/780,533A
CURRENT FILING DATE: 2001-02-09
PRIOR APPLICATION NUMBER: US 60/181,797
PRIOR FILING DATE: 2000-02-11
SOFTWARE: Patentin Version 3.0
SEQ ID NO 2358
LENGTH: 17
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Chowrira, Bharat
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Pred. No. 6;
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Pred. No. 6
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; TYPE: RNA; Homo sapiens
; ORGANISM: Homo sapiens
US-09-780-533A-2361
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US-09-780-533A-2363
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APPLICANT: Chowrita, Bharat
APPLICANT: Chowrita, Bharat
APPLICANT: Habberli, Pete
TITLE OF INVENTION: Method and Reagent for the Inhibition of NGGO Gene
FILE REFERENCE: MBHB00,878-A (400/011)
CURRENT APPLICATION NUMBER: U5/09/780,533A
CURRENT FILING DATE: 2001-02-09
PRIOR APPLICATION NUMBER: US 60/181,797
PRIOR APPLICATION NUMBER: US 60/181,797
PRIOR FILING DATE: 2000-02-11
NUMBER OF SEQ ID NOS: 6679
SOPTWARE: PatentIn version 3.0
SEQ ID NO 2362
                                                                                                                                Sequence 2363, Application US/09780533A
Publication No. US20030060611A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Blatt, Larry
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Best Local Similarity 88.2
Matches 15; Conservative
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Best Local Similarity 88.2%;
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APPLICANT: Chowilra, Bharat
APPLICANT: Chowilra, Bharat
APPLICANT: Habbril, Pete
TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
FILE REFERENCE: MBHB00,878-A (400/011)
CURRENT APPLICATION NUMBER: US/99/780,533A
CURRENT FILING DATE: 2001-02-09
PRIOR APPLICATION NUMBER: US 60/181,797
PRIOR FILING DATE: 2000-02-11
PRIOR FILING DATE: 2000-02-11
PRIOR FILING DATE: 2000-02-11
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APPLICANT: Blatt,
                              FILE REFERENCE:
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I: McSwiggen, Jim
I: Chowrira, Bharat
T: Haeberli, Pete
INVENTION: Method and Reagent for the Inhibition of NOGO Gene
ERENCE: MBHB00,878-A (400/011)
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Pred. No. 62;
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Pred. No. 6
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US-09-780-533A-2462
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US-09-848-754A-2225
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US-09-848-754A-2225
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SOSTWARE: Patentin version 3.0
SEQ ID NO 2363
                                                               APPLICANT: Ribozyme Pharmaceuticals, Inc.
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
TITLE OF INVENTION: Levels of Epidermal Growth Factor Receptors
FILE REFERENCE: MSHB00-958-I (400/018)
CURRENT APPLICATION NUMBER: US/09/848,754A
CURRENT FILING DATE: 2001-05-03
NUMBER OF SEQ ID NOS: 9645
SOFTWARE: PatentIn version 3.0
SEQ ID NO 2225
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Matches
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SOFTWARE: PatentIn version 3.0
SEQ ID NO 2462
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Best Local Similarity
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APPLICANT: Chowrita, Bharat
APPLICANT: Haeberli, Pete
TITLE OF INVENTION: Method and Reagent for the Inhibition of NGGO Gene
FILE REFERENCE: MBHB00,878-A (400/011)
CURRENT APPLICATION NUMBER: US/09/780,533A
CURRENT FILING DATE: 2001-02-09
PRIOR APPLICATION NUMBER: US 60/181,797
PRIOR APPLICATION NUMBER: US 60/181,797
PRIOR APPLICATION NUMBER: US 60/181,797
PRIOR APPLICATION NUMBER: US 60/181,797
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CURRENT FILING DATE: 2001-02-09
PRIOR APPLICATION NUMBER: US 60/181,797
PRIOR FILING DATE: 2000-02-11
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ORGANISM: Homo sapiens
              ORGANISM: Homo sapiens
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les 15; Conserv
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Pred. No. 62
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Pred. No. 6;
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US-09-930-423-189
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US-09-930-423-795
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                                                                                                                                                                                 APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
FILE REFERENCE: MSHB00,918-A 400/027
CURRENT APPLICATION UNMEBER: US/99/930,423
CURRENT FILING DATE: 2001-08-15
NUMBER OF SEQ ID NOS: 4553
SOFTWARE: PatentIn version 3.0
SEQ ID NO 795
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APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: Method and Reagent for
FILE REFERENCE: MBHB00, 918-A 400/027
CURRENT APPLICATION NUMBER: US/09/930,423
CURRENT FILING DATE: 2001-08-15
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SEQ ID NO 189
LENGTH: 17
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Best Local Similarity
Matches 12; Conserv
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Best Local
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                                                                                                                                                     LENGTH: 17
TYPE: RNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: RNA
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                                                           Local Similarity
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                             1200 GTGCAGAGGCCAGCCAT 1216
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 GCGCAGATGGCAGCCAT 1
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88.2%;
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Pred. No. 62;
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Pred. No. 62;
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Pred. No. 62;
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                                                                                         Length 17;
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RESULT 135 US-09-930-423-1533/c

Sequence 1533, Application US/09930423 Publication No. US20030092003A1 GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.

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US-09-930-423-1533
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Best Local S
Matches 15
                                                        CURRENT APPLICATION NUMBER: US/09/740,332
CURRENT FILING DATE: 2001-03-26
NUMBER OF SEQ ID NOS: 9704
SOFTWARE: PETENTIN VERSION 3.0
SEQ ID NO 1895
LENGTH: 17
                                                                                                                                                                                         Sequence 1895, Application US/09740332
Publication No. US20030125270A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals Inc.
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 244, Application US/09740332
publication No. US20030125270A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals Inc.
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions
TITLE OF INVENTION: Hepatitis C Virus Infection
FILE REFERENCE: RPI 400/003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SOFTWARE: PatentIn version 3.0
SEQ ID NO 1533
LENGTH: 17
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Best Local
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CURRENT FILING DATE: 2001-03-26
NUMBER OF SEQ ID NOS: 9704
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TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
FILE REFERENCE: MBHB00,918-A 400/027
CURRENT APPLICATION NUMBER: US/09/930,423
CURRENT FILING DATE: 2001-08-15
NUMBER OF SEQ ID NOS: 4553
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NAME/KEY: misc_feature
LOCATION:
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FEATURE:
                  ORGANISM: artificial sequence
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Similarity 88.2%;
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ilarity 88.2%;
Conservative
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Pred. No. 6
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Pred. No. 6
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; OTHER INFORMATION: oligonucleotide substrate US-09-740-332-4311
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US-09-740-332-2660/c
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Publication No. US20030125270A1

GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals Inc.
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of
TITLE OF INVENTION: Hepsatitis C Virus Infection
FILE REFERENCE: RPI 400/003
                                                                                                                                                                                                  NUMBER OF SEQ ID NOS: 9704
SOFTWARE: PatentIn version
SEQ ID NO 4311
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Best Local Similarity 64.7
Matches 11; Conservative
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 Matches
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TYPE: RNA
ORGANISM: artificial sequence
FEATURE:
NAME/KEY: misc_feature
LOCATION:
                                                                                                                                                                                                                                                 CURRENT APPLICATION NUMBER: US/09/740,332
CURRENT FILING DATE: 2001-03-26
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TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment
TITLE OF INVENTION: Hepatitis C Virus Infection
FILE REFERENCE: RPI 400/003
CURRENT APPLICATION NUMBER: US/09/740,332
CURRENT FILING DATE: 2001-03-26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CURRENT FILING DATE: 2001-03-26
NUMBER OF SEQ ID NOS: 9704
SOFTWARE: PatentIn version 3.0
                                                                                                                                                   LENGTH: 17
TYPE: RNA
ORGANISM: artificial sequence
                                                                                                 FEATURE:
NAME/KEY: misc_feature
LOCATION:
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Local Similarity les 15; Conserv
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              0.5%;
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88.2%; Pred. No. 62;
tive 0; Mismatches
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                Score 13.8;
Pred. No. 62;
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Pred. No. 62;
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US-09-745-237A-795/c
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US-09-745-237A-189/c
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GENERAL INFORMATION
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Best Local
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                                                                                                                             Sequence 1533, Application US/09745237A
Publication No. US20030143708A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Blatt, Larry
APPLICANT: McGwiggen, Jim
TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
FILE REFERENCE: 400/007 (MBHB00-918-A)
CURRENT APPLICATION NUMBER: US/09/745,237A
CURRENT FILING NUMBER: US/09/745,237A
CURRENT FILING DATE: 2002-04-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
FILE REFERENCE: 400/407 (MBHB00-918-A)
CURRENT APPLICATION NUMBER: US/09/745,237A
CURRENT FILING DATE: 2002-04-15
NUMBER OF SEQ ID NOS: 455
NUMBER OF SEQ ID NOS: 455
NUMBER OF SEQ ID NOS: 455
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                                                                                    APPLICANT: Ribozyme Pharmaceuticals, Inc
                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: RNA
ORGANISM: Homo sapiens
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les 15; Conserv
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Local Similarity 88.2%;
ss 15; Conservation
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                                                                                                              INFORMATION:
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: McSwiggen, Jim
INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
!RENCE: 400/007 (MBHB00-918-A)
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o. US20030143708A1
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Pred. No. 62;
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Pred. No. 6
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; OTHER INFORMATION: oligonucleotide substrate US-09-817-879-1895
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local S
Matches 15
                                                                                                                                             APPLICANT: Ribozyme Pharmaceuticals Inc.
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment
TITLE OF INVENTION: Hepatitis C Virus Infection
FILE REFERENCE: MBHB00-801-F
CURRENT APPLICATION NUMBER: US/09/817,879
CURRENT FILING DATE: 2001-03-26
NUMBER OF SEQ ID NOS: 9703
SOFTWARE: Patentin version 3.0
SEQ ID NO 1895
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Publication No. US20030171311A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals Inc.
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment
TITLE OF INVENTION: Hepatitis C Virus Infection
FILE REFERENCE: MEHB00-801-F
CURRENT APPLICATION NUMBER: US/09/817,879
CURRENT FILING DATE: 2001-03-26
RUMBER OF SEQ ID NOS: 9703
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CURRENT FILING DATE: 2002-04-15
NUMBER OF SEQ ID NOS: 4550
SOFTWARE: PatentIn version 3.0
SEQ ID NO 1533
LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SOFTWARE: PatentIn version 3.0
SEQ ID NO 244
LENGTH: 17
TYPE: RNA
ORGANISM: artificial sequence
                                                                                                                                                                                                                                                                                                                       Sequence 1895, Application US/09817879
Publication No. US20030171311A1
GENERAL INFORMATION:
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Best Local Similarity
Matches 15; Conserv
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TYPE: R
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                                                   NAME/KEY: misc_feature
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Pred. No. 62;
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US-09-817-879-2660/c
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US-09-817-879-4311
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; OTHER INFORMATION: oligonucleotide substrate
US-09-817-879-2660
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CURRENT FILING DATE: 2001-03-26
NUMBER OF SEQ ID NOS: 9703
SOFTWARE: PatentIn version 3.0
SEQ ID NO 2660
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Best Local Similarity
Matches 15; Conserv
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GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals Inc.
                                                                                                                                                                                                                                              SEQ ID NO 4311
LENGTH: 17
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CURRENT FILING DATE: 2001-03-26
NUMBER OF SEQ ID NOS: 9703
SOFTWARE: Patentin version 3.0
                                                                                                                                                                                                                                                                                                                                           APPLICANT: Ribozyme Pharmaceuticals Inc.
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
TITLE OF INVENTION: Hepartitis C Virus Infection
FILE REFERENCE: MBHB00-801-F
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                                                                                                                                     LOCATION:
OTHER INFORMATION: oligonucleotide substrate
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NAME/KEY: misc_feature
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NAME/KEY: misc_feature
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TYPE: RNA
ORGANISM: artificial sequence
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                               1872 ACCCCGCAGCTGGAGGA 1888
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Pred. No. 6
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Pred. No. 62;
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Pred. No. 62;
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APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: Nucleic acid treatment of
TITLE OF INVENTION: HER2
FILE REFERENCE: MBHB01-1653-A (400/014)
CURRENT APPLICATION NUMBER: US/10/163,552
CURRENT FILING DATE: 2002-06-06
NUMBER OF SEQ ID NOS: 1997
SOFTWARE: Patentin version 3.0
SEQ ID NO 337
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; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-756A-358
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Best Local
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                                                                    Matches
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Publication No. US2003010505181
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PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
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                                                                                                                                                      LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
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FILING DATE: 2001-01-30
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APPLICATION NUMBER: US 09/864,761
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                                1268 GGAAGAGGCTGAGGGCA 1284
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l Similarity 88.2%;
15; Conservation
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PLICATION NUMBER: PCT/US01/00669
LING DATE: 2001-01-30
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1 Similarity 88.2%;
15; Conservative
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o. US20030046717A1
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Pred. No. 62;
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Pred. No. 6
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RESULT 150
US-10-156-306-5922
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SOFTWARE: PatentIn version 3.0
SEQ ID NO 5905
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Publication No. US20030119017A1
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APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to
FILE REFERENCE: 400/057 (MBHB01-1158-A)
CURRENT APPLICATION NUMBER: US/10/238,700
CURRENT FILING DATE: 2002-09-18
PRIOR APPLICATION NUMBER: PCT/US 02/16840
PRIOR PRIOR DATE: 2002-05-29
PRIOR FILING DATE: 2002-05-29
PRIOR FILING DATE: 2002-05-29
PRIOR FILING DATE: 2001-09-10
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TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
TITLE OF INVENTION: Levels of IKK-Gamma and PKR
FILE REFERENCE: MeHB01-664-A (400/050)
CURRENT APPLICATION NUMBER: US/10/156,306
CURRENT FILING DATE: 2002-05-28
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CURRENT APPLICATION NUMBER: US/10/156,306
CURRENT FILING DATE: 2002-05-28
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APPLICANT: McSwiggen, James
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
TITLE OF INVENTION: Levels of IKK-Gamma and PKR
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SOFTWARE: PatentIn version 3.0
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APPLICANT: McSwiggen, James
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ORGANISM: Homo sapiens
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Local Similarity 88.2%;
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13; Conserv
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76.5%; Pred. No. 62;
tive 2; Mismatches
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Pred. No. 6
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US-10-230-006-721/c
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                              PRIOR APPLICATION NUMBER: US 03/818,875
PRIOR FILING DATE: 2001-03-27
PRIOR APPLICATION NUMBER: US 60/192,176
PRIOR FILING DATE: 2000-03-27
PRIOR APPLICATION NUMBER: US 60/192,179
PRIOR APPLICATION NUMBER: US 60/292,179
PRIOR PILING DATE: 2000-03-27
PRIOR PPLICATION NUMBER: US 60/208,538
PRIOR APPLICATION NUMBER: US 60/204,989
PRIOR APPLICATION NUMBER: US 60/244,989
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PRIOR FILING DATE: 2001-08-28
NUMBER OF SEQ ID NOS: 2678
SOFTWARE: Patentin version 3.0
SEQ ID NO 721
                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 927, Applic Publication No. US20 GENERAL INFORMATION:
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Publication No.
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SOFTWARE: PatentIn version 3.0
SEQ ID NO 3391
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APPLICANT: Fosnaugh, Kathy
APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: METHOD AND REAGENT FOR THE TREATMENT OF ASTHMA AND ALLERGIC FILE REFERENCE: 400/056 (MBHB01-1110)
CURRENT APPLICATION NUMBER: US/10/230,006
CURRENT FILING DATE: 2002-11-18
CURRENT FILING DATE: 2002-11-18
                                                                                                                                                                                                                                  APPLICANT: Kmiec, Eric B.
APPLICANT: Gamper, Howard B.
APPLICANT: Rice, Michael C.
TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single TITLE OF INVENTION: Stranded Oligonucleotides
FILE REFERENCE: Napro-4
CURRENT APPLICATION NUMBER: US/10/209,787
CURRENT FILING DATE: 2002-07-30
CURRENT FILING DATE: 2002-07-30
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ORGANISM: Homo sapiens
                  RIOR FILING DATE: 2000-10-30
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Local Similarity 88.2%;
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o. US20030217377A1
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o. US20030191077A1
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ID NOS: 4385
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Pred. No. 6;
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Pred. No. 6:
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; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-209-787-927
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US-10-261-185-927
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LENGTH: 17
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LENGTH: 17
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Best Local Similarity
Matches 15; Conserv
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Best Local
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PRIOR APPLICATION NUMBER: US 60/82,176
PRIOR FILING DATE: 2001-03-27
PRIOR FILING DATE: 2000-03-27
PRIOR FILING DATE: 2000-03-27
PRIOR APPLICATION NUMBER: US 60/192,176
                                                     CURRENT APPLICATION NUMBER: US/10/261,185
CURRENT FILING DATE: 2002-09-27
CURRENT FILING UNIVER: PCT/US01/09761
PRIOR APPLICATION NUMBER: PCT/US01/09761
PRIOR FILING DATE: 2001-03-27
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APPLICANT: Kmiec, Eric B.
APPLICANT: Gamper, Howar
APPLICANT: Rice, Michael
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                                                                                                                                     FILE REFERENCE: NaPro-4CON
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                                                                                                                                                    IITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single ITLE OF INVENTION: Stranded Oligonucleotides
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PLICANT: Rice, Michael C.

TLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single

TLE OF INVENTION: Stranded Oligonucleotides
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APPLICATION NUMBER: US 60/192,179
FILING DATE: 2000-03-27
APPLICATION NUMBER: US 60/208,538
FILING DATE: 2000-06-01
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APPLICATION NUMBER: US 60/244,989
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                   APPLICATION NUMBER: US 60/192,176 FILING DATE: 2000-03-27
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APPLICATION NUMBER: US 60/192,179
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Similarity 88.2%;
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Gamper, michael C.
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o. US20040014057A1
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Pred. No. 6;
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Pred. No. 6
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US-10-261-185-927
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                                                                                                            Sequence 72, Applica Publication No. US20 GENERAL INFORMATION:
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Best Local :
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APPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF INHIBITOR-KAPPA B-R EXPRESSION
FILE REFERENCE: RTS-0302
CURRENT APPLICATION NUMBER: US/09/993,731
CURRENT FILING DATE: 2001-11-13
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PRIOR APPLICATION NUMBER: PCT/US01/09761
PRIOR FILING DATE: 2001-03-27
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CURRENT APPLICATION NUMBER: US/10/261,185
CURRENT FILING DATE: 2002-09-27
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NUMBER OF SEQ ID NOS: 4385
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TYPE: DNA
ORGANISM: Homo sapiens
                                                                            APPLICANT: Brett
APPLICANT: Andre
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PIICANT: Rice, Michael C.
TIE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
TIE OF INVENTION: Stranded Oligonucleotides
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FILING DATE: 2000-03-27
APPLICATION NUMBER: US 60/192,179
FILING DATE: 2000-03-27
APPLICATION NUMBER: US 60/192,179
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FILING DATE: 2000-06-01
APPLICATION NUMBER: US 60/244,989
FILING DATE: 2000-10-30
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l Similarity 88.2%;
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b. US20040014057A1
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Pred. No. 6
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Pred. No. 6
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RESULT 159
US-10-056-414-33/c
/ Sequence 33, Application US/10056414
/ Publication No. US20030003469A1
/ Publication No. US20030003469A1
/ GENERAL INFORMATION:
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CURRENT FILING DATE: 2001-06-13
NUMBER OF SEQ ID NOS: 276
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 235
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
Matches 14; Conserv
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APPLICANT: Flemington, Erik K
TITLE OF INVENTION: Adaptors and Methods of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 235, Application US/09880313A
Publication No. US20030044791A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILE REFERENCE: 9397/1000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  OTHER INFORMATION: Antisense Oligonucleotide
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: DNA
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                                   ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5000 Diskette, 1.44 Mb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1247 GGTCCGGCTGCAGCA 1261
                                                                                                                                                        CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
                                                                                                                                                                                                                                   MCSWiggen, James
TITLE OF INVENTION: RIBOZYME TREATMENT OF
DISEASES OR CONDITIONS
RELATED TO LEVELS OF
                                                                                                                                                                                                         NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     93 reeccrearceaecce 109
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15; Conserv
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COMPUTER: IBM Compatible OPERATING SYSTEM: IBM P.C.
                                                                                                           CITY: Los Angeles
STATE: California
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Draper, Kenneth G.
                                                                                                                                          Suite 4700
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Pred. No. 52;
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Pred. No. 96;
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                                                                                                                                           ; ORGANISM: Homo sapiens
US-10-163-552-1980
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                                                                                                                                                                        CURRENT APPLICATION NUMBER: US/10/163,552
CURRENT FILING DATE: 2002-06-06
NUMBER OF SEO ID NOS: 1997
SOFTWARE: PATENTIN VERSION 3.0
SEQ ID NO 1980
LENGTH: 15
TYPE: RNA
                                                                 Query Match
Best Local Similarity
Matches 14; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 1980, Application US/10163552 Publication No. US20030105051A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Matches 14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                      TITLE OF INVENTION: Nucleic acid treatment TITLE OF INVENTION: HER2 FILE REFERENCE: MEHBO1-1653-A (400/014)
                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Ribozyme Pharmaceuticals, Inc. APPLICANT: McSwiggen, Jim
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INFORMATION FOR SEQ ID NO: 33:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 208/157
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEFAX: (7-3-5-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/056,414
FILING DATE: 23-Jan-2002
CLASSIFICATION: Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TOPOLOGY: linear SEQUENCE DESCRIPTION: SEQ ID NO: 33:
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                                1267 TGGAAGAGGCTGAGG 1281
15 TGGAAGACGCTGAGG 1
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TYPE: nucleic acid
STRANDEDNESS: single
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                                                                     Conservative
                                                                                       93.3%;
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Pred. No. 52;
                                                                                       Score 13.4;
Pred. No. 52;
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                                                                                                                                                                                                                                                                                                                                               of diseases or conditions related to level
                                                                                                          DB 1;
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Sequence 43, Application US/10314405
publication No. US20030108940A1
GENERAL INFORMATION:
APPLICANT: Hidetoshi, Inoko

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RESULT 163
US-10-156-306-7883/c
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; ORGANISM: Homo sapiens
US-10-156-306-7883
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US-10-314-405-43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Matches
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SOPTWARE: PatentIn version 3.0
SEQ ID NO 7867
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                                                                           SOFTWARE: PatentIn version 3.0 SEQ ID NO 7883
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity
Matches 13; Conserv
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LENGTH: 15
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CURRENT FILING DATE: 2002-05-20
NUMBER OF OF OFF
                                                                                                                 CURRENT APPLICATION NUMBER: US/10/156,306
CURRENT FILING DATE: 2002-05-28
NUMBER OF SEQ ID NOS: 8013
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CURRENT FILING DATE: 2002-12-06
PRIOR APPLICATION NUMBER: US/09/713,616
PRIOR FILING DATE: 2000-11-15
NUMBER OF SEQ ID NOS: 46
SOFTMARE: PatentIn version 3.0
                                                                                                                                                            APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
TITLE OF INVENTION: Levels of IKK-Gamma and PKR
FILE REFERENCE: MBHB01-664-A (400/050)
FILE REFERENCE: MBHB01-664-A (400/050)
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TYPE: RNA
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APPLICANT: McSwiggen, James
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
TITLE OF INVENTION: Levels of IKK-Gamma and PKR
                                                                                                                                                                                                                                                                                               equence 7883, Application US/10156306
                                    TYPE: RNA
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                                                       ENGTH:
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ITLE OF INVENTION: NOVEL PO
ILE REFERENCE: 06501-069001
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Local Similarity 93.3%;
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86.7%; Pred. No. 5
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Pred. No. 5
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PADDICACTION NUMBER: US 09/019/02630

PADDICANT: PAUL DR. PREM S

APPLICANT: ZHANG, YANNIN

ITITLE OF INVENTION: REPRODUCTIVE AND REPIRATORY SYNDROME VIRUS (PPRSV)

FILE REFERENCE: 8199-0005-55XCIP WO

CURRENT APPLICATION NUMBER: US/10/428,826

CURRENT FILING DATE: 2003-05-05

PRIOR APPLICATION NUMBER: US/09/601,326

PRIOR APPLICATION NUMBER: US/09/02630

PRIOR APPLICATION NUMBER: US/09/02630

PRIOR APPLICATION NUMBER: US/09/019,793

PRIOR APPLICATION NUMBER: US/09/019,793

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PRIOR APPLICATION NUMBER: US/09/019,793

PRIOR APPLICATION NUMBER: US/09/019,793
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APPLICANT: De Smet, Koenraad
APPLICANT: Stuyver, Lieven
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                                                                                                                                                                                                                                                                                                                            Sequence 406, Application US/10043875 Publication No. US20030054339A1
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Best Local
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Best Local
APPLICANT: Stuyver, Lieven
TITLE OF INVENTION: Method for Detection of Drug-Induced Mutations:
TITLE OF INVENTION: Transcriptase Gene
FILE REFERENCE: 11562-0033-NPUG01 (INNS:033)
CURRENT APPLICATION NUMBER: US/10/043,875
CURRENT FILING DATE: 2002-04-03
PRIOR APPLICATION NUMBER: 60/286,102
PRIOR FILING DATE: 2001-04-24
PRIOR APPLICATION NUMBER: EP 01870085.6
PRIOR PILING DATE: 2001-04-20
PRIOR FILING DATE: 2001-04-20
PRIOR FILING DATE: 2001-04-20
PRIOR FILING DATE: 2001-01-01-01
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PRIOR FILING DATE: 1992-10-30
NUMBER OF SEQ ID NOS: 175
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FILING DATE: 1994-09-01
APPLICATION NUMBER: US 08/131,625
FILING DATE: 1993-10-05
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DS20030186225A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0.5%; Score 13.4; llarity 93.3%; Pred. No. 5 Conservative 0; Mismatch
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Pred. No. 52;
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; ORGANISM: Human immunodeficiency virus
US-10-043-875-406
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                                                                                                                                                                                                                                                                       US-10-043-875-407/c
                                                                                                                                                                                                                              Sequence 407, Application US/10043875
Publication No. US20030054339A1
                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity
Matches 13; Conserv
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Publication No
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Best Local Similarity 100.0%; Pred. No.
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                                        APPLICANT: De Smet, Koenraad
APPLICANT: Stuyver, Lieven
TITLE OF INVENTION: Method for Detection of Drug-Induced Mutations in the HIV Reverse
TITLE OF INVENTION: Transcriptase Gene
TITLE OF INVENTION: Transcriptase Gene
TITLE REFERENCE: 11362-0033-NPUSO1 (INNS:33)
CURRENT APPLICATION NUMBER: US/10/043,875
CURRENT FILING DATE: 2002-04-03
PRIOR APPLICATION NUMBER: 60/286,102
PRIOR FILING DATE: 2001-04-24
PRIOR FILING DATE: 2001-04-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRIOR APPLICATION NUMBER: 2002-03-28
PRIOR FILING DATE: 2001-03-28
NUMBER OF SEQ ID NOS: 76
SQFIMARE: Patentin version 3.1
SQ ID NO 58
LENGTH 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CURRENT APPLICATION NUMBER: US/10/108,732
CURRENT FILING DATE: 2002-03-28
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TITLE OF INVENTION: MELANOMA RISK DETECTION
FILE REFERENCE: 8795-27U1
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APPLICATION NUMBER: EP 01870005.4
               APPLICATION NUMBER: EP 01870085.6 FILING DATE: 2001-04-20
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Gruis, Nelleke A
Van Der Velden, Pieter
Bergman, Wilma
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10. US20030175721A1
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Conservative 0;
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; FEATURE:
, NAME/KEY: misc binding
, LOCATION: (1)...(16)
, OTHER INFORMATION: Oligonucleotide
US-09-999-031A-3
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TYPE: DN
; ORGANISM: Human immunodeficiency virus
US-10-043-875-407
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                                               APPLICANT: Garchon, Henri-Jean
TITLE OF INVENTION: DIAGNOSIS OF GLAUCOMA
FILE REFERENCE: 2702.1001-011
CURRENT APPLICATION NUMBER: US/10/150,510
CURRENT FILING DATE: 2002-08-23
PRIOR APPLICATION NUMBER: 09/999,031
PRIOR APPLICATION NUMBER: PCT/US00/12179
PRIOR APPLICATION NUMBER: PCT/US00/12179
PRIOR APPLICATION NUMBER: PCT/US00/12179
PRIOR APPLICATION NUMBER: 000-05-04
PRIOR FILING DATE: 2000-05-04
PRIOR FILING DATE: 1999-05-07
NUMBER OF SEQ ID NOS: 10
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SOFTWARE: Patentin version 3.1
SEQ ID NO 407
LENGTH: 16
              SOFTWARE: FastSEQ for Windows Version 4.0 SEQ ID NO 3
                                                                                                                                                                                                                                                                                   Sequence 3, Application US/10150510 Publication No. US20030068632A1 GENERAL INFORMATION:
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Patent No. US20020164608A1
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Best Local :
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Best Local Similarity
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PRIOR FILING DATE: 2000-05-04
PRIOR APPLICATION NUMBER: 60/133,224
PRIOR FILING DATE: 1999-05-07
NUMBER OF SEQ ID NOS: 10
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TITLE OF INVENTION: DIAGNOSIS OF GLAUCOMA
FILE REFERNCE: 2702.1001-004
CURRENT APPLICATION NUMBER: US/09/999,031A
CURRENT FILING DATE: 2002-04-11
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es 13; Conserv
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TH: 16
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Conservative 0;
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87.5%;
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00.0%; Pred. No.
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Pred. No. 8
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LOCATION: (1)...(16)
OTHER INFORMATION: Oligonucleotide
US-10-150-510-3
                                                                                                                                                                                                                                                                                                    RESULT 171
US-09-866-108-8648/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; OTHER INFORMATION: SYNTHETIC OLIGONUCLEOTIDE US-10-308-503-110
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Best Local :
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION: ANTISENSE COMPOSITIONS TARGETED TO BETA1-ADRENOCEPTOR-SPECIFIC mATTERS OF INVENTION: METHODS OF USE FILE REFERENCE: 4300.013900
CURRENT APPLICATION NUMBER: US/10/308,503
CURRENT FILING DATE: 2003-12-03
                 FILE REFERENCE: ABOMICA-7
CURRENT APPLICATION NUMBER: US/09/866,108
CURRENT FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
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PRIOR FILING DATE: 1998-09-14
PRIOR APPLICATION NUMBER: PCT/US99/21007
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APPLICANT: JI, Yongga
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ORGANISM: Artificial Sequence
FEATURE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ORGANISM: UNKNOWN
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LENGTH: 16
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Local Similarity 87.5%;
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APPLICATION NUMBER:
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                                                                                                    T: CHEN, Wensheng
T: SHANNON, Mark
INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
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HANZEL, David K.
RANK, David R.
CHEN, Wensheng
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b. US20030191080A1
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GB 24263.6
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Pred. No. 8
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Pred. No. 8
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LENGTH: 20
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILE REFERENCE: RTS-0302
CURRENT APPLICATION NUMBER: US/09/993,731
CURRENT FILING DATE: 2001-11-13
NUMBER OF SEQ ID NOS: 89
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Brett P. Monia
APPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF INHIBITOR-KAPPA B-R EXPRESSION
                                                                                                                                                                                                                                                                                                                                                                                     TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                       FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: DNA
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APPLICATION NUMBER: PCT/US01/00666
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APPLICATION NUMBER: US 60/234,687
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Sequence 74, Application US/0593731
Publication No. US20030105040A1
GENERAL INFORMATION:
APPLICANT: Brett P. Monia
APPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF INHIBITOR-KAPPA B-R EXPRESSION
FILE REFERENCE: RTS-0302
CURRENT APPLICATION NUMBER: US/09/993,731
CURRENT FILING DATE: 2001-11-13
NUMBER OF SEQ ID NOS: 89
SEQ ID NO 74
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
US-09-933-731-77

Sequence 77, Application US/09993731

Publication No. US20030105040A1

GENERAL INFORMATION:
APPLICANT: Brett P. Monia
APPLICANT: Andrew T. Watt

TITLE OF INVENTION: ANTISENSE MODULATION OF INHIBITOR-KAPPA B-R EXPRESSION
FILE REFERENCE: RTS-0302

CURRENT APPLICATION UNUMBER: US/09/993,731

CURRENT PRICATION OF SEQ ID NOS: 89

SEQ ID NO 77

SEQ ID NO 77

LENGTH: 20
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TITLE OF INVENTION: ANTISENSE MODULATION OF INHIBITOR-KAPPA B-R EXPRESSION
FILE REFERENCE: RTS-0302
CURRENT APPLICATION NUMBER: US/09/993,731
CURRENT FILING DATE: 2001-11-13
NUMBER OF SEQ ID NOS: 89
SEQ ID NO 63
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
COTHER IMPORMATION: Antisense Oligonucleotide
US-09-993-731-63
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US-09-993-731-74
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US-09-993-731-63
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Query Match
Query Match
Best Local Similarity 78.9%; Pred. No. 1.6e+02;
Matches 15; Conservative 0; Mismatches 4;
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Search completed: April Job time : 5 secs
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Best Local Similarity
Matches 15; Conserv
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Pred. No. 1.6e+02;
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Maximum Match 100%
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ORGANISM
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1M0079M16R Mouse 10kb plasmid
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AZ345323 GI:10424560
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Copyright (c) 1993 - 2004 Compus
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RESULT 2
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Seq primer: CACACAGGAAACAGCTATGACC
Class: plasmid ends
Class: plasmid ends
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High quality sequence stop: 27.
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                                                                            AZ321746 21 bp DNA linear GSS 29-SEP-200 IM0042N20F Mouse 10kb plasmid UUGCIM library Mus musculus genomic clone UUGCIM0042N20 F, genomic survey sequence.

AZ321746 AZ321746.1 GI:10374795 GSS.
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Contact: Robert B.
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Mus muscullus
Bukaryota; Metazoa; Chordata; Craniata; Vertebrata;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            University of Utah (University of Utah Rm. 308, Biomedical
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Tel: 801 585 5606
Fax: 801 585 7177
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Insert Length: 10000 Std Error: 0.00
                                                                                                                                                                                                                                                                                                                                                                                     Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                              was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polymucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."
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/strain="C57BL/6J"
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                                                                                                                                                                                                                                                                               AZ610186 23 bp DNA linear GSS 13-DEC-200 1M0435A21F Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC1M0435A21 F, genomic survey sequence.
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
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Location/Qualifiers
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Insert Length: 10000 Std Error:
Plate: 0042 row: N column: 20
Seq primer: CGTTGTAAAACGACGGCCAGT
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Fax: 801 585 7177
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University of Utah
Rm. 308, Biomedical Polymers Research Bldg.,
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/strain="C57BL/6J"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  db_xref="taxon:10090"
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Insert Length: 10000 Std Error: 0
Plate: 0435 row: A column: 21
Seq primer: CGTTGTAAAACGACGGCCAGT
Class: plasmid ends
High quality sequence stop: 23.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                             23 GAGGAGGAGGAGGAGGA 4
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus 1 (bases 1 to 19)
                                                                                                                      GSS.
                                                                                                                                                                                      AZ775540 19 bp DNA linear GSS 10 2M0008H15F Mouse 10kb plasmid UUGC1M library Mus musculus clone UUGC2M0008H15 F, genomic survey sequence.
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Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Res
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AZ775540.1
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Fax: 801 585 7177
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pND42 (gi|4732114|gb|AF12972.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent B. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Laboratory Mouse DNA Resource
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/strain="C57BL/6J"
/db_xref="taxon:10090"
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                                                                                                                                           GI:12902183
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Pred. No. 1.
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                                                                                                                                                                                             AI564678 IG DE MENA linear EST 14-MAY-1 tq78g03.x1 NCI CGAP_Utl Homo sapiens cDNA clone IMAGE:2214964 3' similar to TR:Q15214 Q15214 SALIVARY PROLINE-RICH PROTEIN 1 Contains element MSR1 repetitive element ;, mENA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Lengrh: 10000 Std Error:
Plate: 0008 row: H column: 15
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 (bases 1 to 16)
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Location/Qualifiers
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University of Utah
Rm. 308, Biomedical Polymers Research Bldg.,
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Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von
Niederhausern,A. and Wright,D., Weiss,R.
                                                                            Homo sapiens
                                                                                                 Homo sapiens (human)
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/clone lib="Mouse 10kb plasmid UUGCIM library"
/note="Vector: PND42nv; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
(http://www.jax.org/resources/documents/dnares/). The DNA
was hydrodynamically sheared by repeated passage through a
0.005 inch orifice at constant velocity. The sheared DNA
was blunt end-repaired with T4 DNA polymerase and T4
polynucleotide kinase. Adaptor oligonucleotides were
ligated to the blunt ends in high molar excess. The
adaptored DNA was purified and size-selected for a 9.5 to
10.5 kb range using preparative agarose gel
electrophoresis. Vector DNA was prepared from a derivative
of pW942 (gil4732114|gb|AP129072.1), a copy-number
inducible derivative of plasmid R1. The vector was ligated
with adaptors complementary to the insert adaptors and
purified. The sheared, adaptored mouse DNA was annealed to
adaptored vector DNA, and transformed into
chemically-competent E. coli XL10-Gold (Stratagene) cells
and selected for ampicillin resistance."
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/clone="UUGC2M0008H15"
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/strain="C57BL/6J"
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                                                                                                                                                                                                                                      Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meennen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. and Wright, D., Weiss, R. Mouse whole genome scaffolding with paired end reads from 10kb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AZ345323 27 bp DNA linear GSS 29-SEP-200 1M0079M16R Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC1M0079M16 R, genomic survey sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Trace considered overall poor quality Insert Length: 1719 Std Error: 0.00 Seq primer: -40UP from Gibco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Email: cgapbs-r@mail.nih.gov .
Tissue Procurement: Christopher Moskaluk,
Emmert-Buck, M.D., ph.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Tumor Gene Index
Unpublished (1997)
Contact: Robert Strausberg, Ph.D.
                                                                                                          University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg.,
                                                                                                                                                                                                                                                                                                                                                        Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
1 (bases 1 to 27)
                                                                                                                                                                                                                                                                                                                                                                                                                               Mus musculus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CDNA Library Preparation: Life Technologies, Inc. CONA Library Arrayed by: Greg Lennon, Ph.D.
DNA Sequencing by: Washington University Genome Sequencing Center Clone distribution: NCI-CGAP clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at: www-bio.llnl.gov/bbrp/image/image.html
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error:
                                             Tel: 801 585 5606
Fax: 801 585 7177
                                                                                                                                                                                  Contact: Robert
                                                                                                                                                                                                       Unpublished
                                                                                                                                                                                                                        plasmid inserts
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mus musculus (house mouse)
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National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Similarity
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                                                                                     NSA
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/lab host="DHION"
/lab host="DHION"
/clone_lib="NCI_GRAP_Utl"
/note="Organ: uterus; Vector: pCMV-SPORT6; Site_1: Sall;
/note="Organ: uterus; Vector: pCMV-SPORT6; Site_1: Sall;
/site_2: NotI; Cloned unidirectionally. Primer: Oligo dT.
Site_2: insert size 1.75 kb. Life Technologies catalog #:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /organism="Homo sapiens"
/mol type="mRNA"
/mol type="mRNA"
/db xref="taxon:9606"
/clone="IMAGE:2214964"
/tissue_type="well-differentiated endometrial
/tissue_type="well-differentiated"
/tissue_type="well-differentiated"
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RESULT 7
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AUTHORS
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Seq primer: CACACAGAAACAGCTATGACC
Class: plasmid ends
High quality sequence stop: 27.
Location/Qualifiers
                                                                                                                                                                                                                                                                              1 (bases 1 to 13)

Kim,J.S., Jun,K.M., Cheong,P.J., Kim,M.J., Lee,T.H., Song,S.I., Kim,J.K., Kim,Y.-K. and Nahm,B.H.
Large-scale Sequencing Analysis of Rice ESTs
Unpublished (2003)
                                                                       Genomics and Genetics Institute, GreenGene Biotech Inc.; Division of Bioscience and Bioinformatics, MyongJi University Yongin, Kyeenggi, Korea
Tel: 82 31 30 6193
Fax: 82 31 321 6355
Email: bhnahm@gbbio.com, bhnahm@bio.myongji.ac.kr.
                                                                                                                                                                                                                                                                                                                                                                                                              Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae; Ehrhartoideae; Oryzeae; Oryza.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              HDA1--04-H13.gl OsHDAC1-overexpressing transgenic rice lambda phcDNA library I (HDA1) Oryza sativa cDNA clone HDA1--04-H13, mRNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Oryza sativa
                                                                                                                                                                                                                                                              Contact: Nahm B.H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Oryza sativa
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared NNA was blunt end-repaired with T4 NNA polymerase and T4 polymucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent B. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA
/organism="Oryza sativa"
/mol_type="mRNA"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /sex="Male"
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/strain="C57BL/6J"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0.5%; Score 11.6; DB 1; 65.4%; Pred. No. 11; tive 0; Mismatches 9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     13 bp
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RESULT 9
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CF332055 12 bp mRNA linear EST NACL--08-G14.g1 Rice callus plasmid cDNA library (NACL) sativa cDNA clone NACL--08-G14, mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                             12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Tetrahymena thermophila
Eukaryota; Alveolata; Ciliophora; Oligohymenophorea;
Hymenostomatida; Tetrahymenina; Tetrahymena
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           BM400150 14 bp mRNA linear EST 17-JAN-2002 5009-0-68-B01.t.1 Chilcoat/Turkewitz cDNA (large fraction) Tetrahymena thermophila cDNA, mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              University of Chicago
920 E. 58th Street, Chicago,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 (bases 1 to 14)
Turkewitz,A.P., Karrer,K.M., Jahn,C., Orias,E.,
Frankel,J. and Klobutcher,L.
EST from Tetrahymena thermophila, strain CU428.1
Unpublished (2002)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Tel: 773 702 4374
Fax: 773 702 3172
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Tetrahymena thermophila
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Molecular Genetics and Cell Biology
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /db_xref="taxon:5911"
/clone lib="Chilcoat/Turkewitz cDNA (large fraction)"
/note="Vector: BlueScript2 SK+; Details on library
preparation can be found in Chilcoat and Turkewitz (20
Proc. Natl. Acad. Sci USA, 98: 8709-8713."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /dev stages proliferated callus on 2N6 media for 2 weeks"
/lab host "E.coli SOLR"
/clome lib="OsHDAC1-overexpressing transgenic rice lambda
phage cDNA library I (HDA1)"
/note="Vector: pBluescript SK(+); Site 1: EcoRI; Site 2:
/note-"Vector: pBluescript SK(+); Site 1: CDNI; Site 2:
/note-"Vector: pBluescript SK(+); Site 1: CORI; Site 2:
/note-"Vector: pBluescript SK(+); Site 2: CORI; Site 2: CORI; Site 2: CORI; Site 2: CORI; Site 2: CORI; Site 2: CORI; Site 2: CORI; Site 2: CORI; Site 2: CORI; Site 2: CORI; Site 2: CORI; Site 2: 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /organism="Tetrahymena thermophila"
/mol_type="mRNA"
/strain="CU428.1"
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/db_xref="taxon:4530"
/clone="HDA1--04-H13"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ocation/Qualifiers
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Pred. No. 5;
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Pred. No. 5.8;
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MEDLINE
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                     AUTHORS
                                                                                                                                                                       PUBMED
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   BQ593629 13 bp mRNA linear EST 06-DEC-2002 E012766-024-026-N02-SP6 MPIZ-ADIS-024-developing root Beta vulgaris
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Oryza sativa
                                                       Contact: Weisshaar B
ADIS DNA core facility at MPIZ
ADIS DNA core facility at MPIZ
Max-Planck-Institute for Plant Breeding Research
Carl-von-Linne 10, 50829 Koeln, Germany
                                                                                                                                                                                                                                                                                  Herwig,R., Schulz,B., Weisshaar,B., Hennig,S., Steinfath,M., Drungowski,M., Stahl,D., Wruck,W., Menze,A., O'Brien,J., Lehrach,H. and Radelof,U.
                                                                                                                                                                                                                                                                                                                                                       Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; Caryophyllales; Amaranthaceae; Beta.

1 (bases 1 to 13)
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Genomics and Genetics Institute, Greendene Biotech Inc.; Division of Bioscience and Bioinformatics, MyongJi University
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Large-scale Sequencing Analysis 
Unpublished (2003)
Fax: 00492215062851
Email: weisshaa@mpiz-koeln.mpg.de
Insert Length: 13 Std Error: 0.00
                                                                                                                                                                                                             Construction of a 'unigene' cDNA clone set by oligonucleotide fingerprinting allows access to 25 000 potential sugar beet genes plant J. 32 (5), 845-857 (2002)
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Beta vulgaris
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CDNA clone 024-026-N02
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Tel: 82 31 330 6193
Fax: 82 31 321 6355
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Ehrhartoideae; Oryzeae; Oryza.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CF332055
CF332055.1
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Location/Qualifiers
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/db_xref="thaxon:4530"
/dlone="WACL--08-G14"
/tissue_type="callus"
/dev_stage="proliferated callus on 2N6 media for 30 days"
/dev_stage="callus plasmid cDNA library (NACL)"
/clone_lib="Rice callus plasmid cDNA library (NACL)"
/clone_lib="Rice callus plasmid cDNA library (NACL)"
/clone="Vector: pCR4-TOPO; Site_1: EcoRI; mRNA was capped
/note="Vector: pCR4-TOPO; Site_1: EcoRI; mRNA was capped
/note="Vector: pCR4-TOPO; Site_1: EcoRI; mRNA was capped
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/cultivar="Nackdong"
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Pred. No. 5
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Best Local :
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                                                                                       High quality sequence stop: 23.
Location/Qualifiers
                                                                                                                                                          Tel: 801 585 5606
Fax: 801 585 7177
Fax: 801 6unn@genetics.utah.edu
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error:
Plate: 0435 row: A column: 21
Plate: 0435 row: A column: 21
Seg primer: CGTTCTAAAACGACGGCCAGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                     plasmid inserts
                                                                                                                                                                                                                                                                                                                             University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg.,
                                                                                                                                                                                                                                                                                                                                                                                                                         Unpublished (2000)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mus musculus
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                                                                                                                                           Class: plasmid ends
                                                                                                                                                                                                                                                                                                                                                                                                     Contact: Robert
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primer: SP6; CATACGATTTAGGTGACACTATAG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /clone lib="MPIZ-ADIS-024-developing root"
/note="Vector: pCMVSPORT6; Site 1: Sal1; Site 2: Not1;
cDNA library from sugar beet, library provided by KWS
Kleinwanzlebener Sastrucht AG Einbeck, Germany, contact:
b.schulz@kws.de; cloning sites SalI-NotI, primer sites and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SP6-SalI-CCACGCGTCCG-Sprime-cDNA-polyA-CC-NotI-T7; Sequencing granted in the context of the GABI-Beet
/mol_type="genomic DNA'
/strain="C57BL/6J"
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                                          organism="Mus musculus"/
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/clone="024-026-N02"
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lab_host="EMDH10B"
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                                                                                                                                                                                                                                                                                                                                                                                                        Weiss
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smid UUGCIM library Mus musculus genomic
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(1 Similarity 83.3%;
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Tetrahymena thermophila
Tetrahymena thermophila
Tetrahymena, Alveolata; Ciliophora; Oligohymenophorea;
Eukaryota; Alveolata; Ciliophora; Tetrahymena.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Contact: Turkewitz AP
Molecular Genetics and Cell Biology
University of Chicago
920 E. 58th Street, Chicago, IL 606:
Tel: 773 702 4374
Fax: 773 702 3172
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Turkewitz,A.P., Karrer,K.M., Jahn,C., Orias,E., Kirk,K.E., Frankel,J. and Klobutcher,L. EST from Tetrahymena thermophila, strain CU428.1, growing cells Unpublished (2002)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            N
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         apturkew@midway.uchicago
                                                                                                                                                                          /organism="Tetrahymena thermophila"
/mol type="mRNA"
/mol type="mRNA"
/strain="CU428.1"
/db xxef="raxon:5911"
/clone_lib="Chilcoat/Turkewitz cDNA (large fraction)"
/note="Vector: BlueScript2 SK+; Details on library
preparation can be found in Chilcoat and Turkewitz (2001)
Proc. Natl. Acad. Sci USA, 98: 8709-8713."
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     sex="Male"
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                 0; Mismatches
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Pred. No. 12;
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                                                                                21 bp DNA linear GSS 29-SEP-20
1M0042N20F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
clone UUGC1M0042N20 F, genomic survey seconomic
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                                                      AZ321746
AZ321746.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Unpublished (1997)
Contact: Robert Strausberg, Ph.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AI564678 16 bp mRNA linear EST 14 tq78g03.x1 NCI CGAP Ut1 Homo sapiens cDNA clone IMAGE:2214 Similar to TR:Q15214 Q15214 SALIVARY PROLINE-RICH PROTEIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CDNA Library Preparation: Life Technologies, Inc. CDNA Library Arrayed by: Greg Lennon, Ph.D.
DNA Sequencing by: Washington University Genome Sequencing Center Clone distribution: NCI-CGAP clone distribution information can be found through the I.M.A.G.B. Consortium/LLNL at: www-bio.llnl.gov/bbrp/image/image.html
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Christopher Moskaluk, M.D.,
Emmert-Buck, M.D., Ph.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
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AI564678.1 GI:4523135
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                      Similarity
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musculus
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                                                                                                                                                                                                                                                                                                                                                                                                                /clone lib="NCI_CGAP_Utl"
/clone="Organ: uterus; Vector: pCMV-SPORT6; Site_1: Sall;
/note="Organ: uterus; Vector: pCMV-SPORT6; Site_1: Sall;
Site_2: Noti; Cloned unidirectionally. Primer: Oligo dT.
Average insert size 1.75 kb. Life Technologies catalog #:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /organism="Homo sapiens"
/mol type="mrNa"
/mol type="mrNa"
/db xref="raxon:9606"
/clone="IMAGE:2214964"
/tissue_type="well-differentiated endometrial
adenocardinoma, 7 pooled tumors"
/lab_host="DH108"
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                                                        GI:10374795
                (house mouse)
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                                                                                                             19 bp DNA linear GSS 16-FEB-200 2M0008H15F Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC2M0008H15 F, genomic survey sequence.
AZ775540
AZ775540.1 GI:12902183
GSS.
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Insert Length: 10000 Std Error:
Plate: 0042 row: N column: 20
Seq primer: CGTTGTAAAACGACGGCCAGT
Class: plasmid ends
High quality sequence stop: 21.
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Fax: 801 585 7177
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University of Utah Genome Center
University of Utah
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
                                              Mus musculus
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                                                                                musculus (house mouse)
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/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0042N20"
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AUTHORS
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12; Conserv
                                                                                                                                                                 CF306647 13 bp mRNA linear EST 15-AUG-2003
HDA1--04-H13.g1 OsHDAC1-overexpressing transgenic rice lambda phage
CDNA library I (HDA1) Oryza sativa cDNA clone HDA1--04-H13, mRNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error:
Plate: 0008 row: H column: 15
Plate: 0008 row: H column: 15
Seg primer: CGTTGTAAAACGACGGCCAGT
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University of Utah
Rm. 308, Biomedical Polymers Research
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Oryza sativa
Bukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
                                                 Oryza sativa
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EST.
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/strain="C57BL/6J"
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Pred. No. 15;
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Kim, J.S., Jun, K.M., Cheong, P.J., Kim, M.J., Lee, T.H., Shin, Y.C., Song, S.I., Kim, J.K., Kim, Y.-K. and Nahm, B.H.

Large-scale Sequencing Analysis of Rice ESTs

Unpublished (2003)

Contact: Nahm B.H.

Genetics and Genetics Institute, GreenGene Biotech Inc.; Division of Bioscience and Bioinformatics, MyongJi University
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             13 bp mRNA linear EST 06-DEC-2002
E012766-024-026-N02-SP6 MPIZ-ADIS-024-developing root Beta vulgaris
cDNA clone 024-026-N02 5-PRIME, mRNA sequence.
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Tel: 82 31 330 6193
Fax: 82 31 321 6355
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Ehrhartoideae; Oryzeae; Oryza.
                                                                                                                                                                                      Contact: Weisshaar B
ADIS DNA core facility at MPIZ
Max-Planck-Institute for Plant Breeding Research
Carl-von-Linne Weg 10, 50829 Koeln, Germany
Fax: 00492215062851
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Eukaryotā; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; Caryophyllales; Amaranthaceae; Beta.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Construction of a 'unigene' cDNA clone set by oligonucleotide fingerprinting allows access to 25 000 potential sugar beet genes plant J. 32 (5), 845-857 (2002)
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Herwig, R., Schulz,
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Beta vulgaris
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Location/Qualifiers
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NACL--08-G14.g1 Rice callus plasmid cDNA library (NACL) Oryza
sativa cDNA clone NACL--08-G14, mRNA sequence.
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Song, S.I., Kim, J.K., Kim, Y.-K. and Nahm, B.H.

Large-scale Sequencing Analysis of Rice ESTs

Unpublished (2003)
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Genomics and Genetics Institute, GreenGene Biotech Inc.;
of Bioscience and Bioinformatics, MyongJi University
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Tel: 82 31 330 6193
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CDNA library from sugar beet, library provided by KWS
CDNA library from sugar beet, library provided by KWS
Kleinwanzlebener Saatzucht AG Einbeck, Germany, contact:
b.schulz@kws.de; cloning sites SalI-NotI, primer sites and
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/mol_type="mRNA"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /tissue_type="developing root"
/lab_host="EMDH10B"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /db_xref="taxon:161934"
/clone="024-026-N02"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              db_xref="GABI:193221"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0.3%;
76.9%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Korea
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  <u>,</u>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 8.2; DI
Pred. No. 13;
Score 7.8; DB Pred. No. 13;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          bhnahm@bio.myongji.ac.kr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB 1;
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                                               Length 12;
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